



WILDLANDS, INC.

May 15, 2000

CALFED Bay-Delta Program Office  
1416 Ninth Street, Suite 1155  
Sacramento, CA 95815

To Whom It May Concern:

Wildlands, Inc. is pleased to submit the Sun River Restoration Project grant proposal for your consideration.

Wildlands, Inc. has teamed with the American Land Conservancy, California Waterfowl Association, Sierra View Landscape, Inc., Stone Lakes National Wildlife Refuge, and the USFWS. This restoration project is the next phase of a previously funded CALFED grant that provided funds for the acquisition of the site and initial planning and permitting for the restoration.

We greatly appreciate the opportunity to participate in this restoration effort. If you have any questions or require further information, please contact me.

Sincerely,

Greg Sutter  
Director of Ecological Restoration

Proposal # 2001- E 210 (Office Use Only)**PSP Cover Sheet** (Attach to the front of each proposal)Proposal Title: Aquatic and Wetland Habitat Restoration for Sun River PropertyApplicant Name: Wildlands, Inc.Contact Name: Greg Sutter, Director of RestorationMailing Address: 5910 Auburn Blvd., Ste 17, Citrus Heights, CA 95621Telephone: (916) 331-8810Fax: (916) 331-8755Email: gsutter@wildlandsinc.comAmount of funding requested: \$ 2,223,404.00

Some entities charge different costs dependent on the source of the funds. If it is different for state or federal funds list below.

State cost N/AFederal cost N/A**Cost share partners?**☒ Yes ☐ NoIdentify partners and amount contributed by each American Land Conservancy, CA Waterfowl Assn., Sierra View Landscape, Stone Lakes NWR, USEWS-USGS**Indicate the Topic for which you are applying (check only one box).**

- |  |  |
|--|--|
| <input type="checkbox"/> Natural Flow Regimes                          | <input type="checkbox"/> Beyond the Riparian Corridor                |
| <input type="checkbox"/> Nonnative Invasive Species                    | <input type="checkbox"/> Local Watershed Stewardship                 |
| <input type="checkbox"/> Channel Dynamics/Sediment Transport           | <input type="checkbox"/> Environmental Education                     |
| <input type="checkbox"/> Flood Management                              | <input type="checkbox"/> Special Status Species Surveys and Studies  |
| <input checked="" type="checkbox"/> Shallow Water Tidal/ Marsh Habitat | <input type="checkbox"/> Fishery Monitoring, Assessment and Research |
| <input type="checkbox"/> Contaminants                                  | <input type="checkbox"/> Fish Screens                                |

What county or counties is the project located in? Sacramento CountyWhat CALFED ecozone is the project located in? See attached list and indicate number. Be as specific as possible North Delta**Indicate the type of applicant (check only one box):**

- |  |   |
|--|---|
| <input type="checkbox"/> State agency                    | <input type="checkbox"/> Federal agency           |
| <input type="checkbox"/> Public/Non-profit joint venture | <input type="checkbox"/> Non-profit               |
| <input type="checkbox"/> Local government/district       | <input type="checkbox"/> Tribes                   |
| <input type="checkbox"/> University                      | <input checked="" type="checkbox"/> Private party |
| <input type="checkbox"/> Other: _____                    |   |

Indicate the primary species which the proposal addresses (check all that apply):

- |  |  |
|--|--|
| <input type="checkbox"/> San Joaquin and East-side Delta tributaries fall-run chinook salmon                                 | <input type="checkbox"/> Spring-run chinook salmon |
| <input type="checkbox"/> Winter-run chinook salmon   | <input type="checkbox"/> Fall-run chinook salmon   |
| <input type="checkbox"/> Late-fall run chinook salmon  | <input type="checkbox"/> Longfin smelt             |
| <input type="checkbox"/> Delta smelt   | <input type="checkbox"/> Steelhead trout           |
| <input type="checkbox"/> Splittail   | <input type="checkbox"/> Striped bass              |
| <input type="checkbox"/> Green sturgeon  | <input type="checkbox"/> All chinook species       |
| <input type="checkbox"/> White Sturgeon  | <input type="checkbox"/> All anadromous salmonids  |
| <input checked="" type="checkbox"/> Waterfowl and Shorebirds   | <input type="checkbox"/> American shad             |
| <input checked="" type="checkbox"/> Migratory birds  |  |
| <input checked="" type="checkbox"/> Other listed T/E species: <u>Giant Garter Snake, Valley Elderberry, Long-horn Beetle</u> |  |

Indicate the type of project (check only one box):

- |   |   |
|---|---|
| <input type="checkbox"/> Research/Monitoring                  | <input type="checkbox"/> Watershed Planning |
| <input type="checkbox"/> Pilot/Demo Project                   | <input type="checkbox"/> Education          |
| <input checked="" type="checkbox"/> Full-scale Implementation |   |

Is this a next-phase of an ongoing project? Yes x No     

Have you received funding from CALFED before? Yes x No     

If yes, list project title and CALFED number PSP98-C1010

Have you received funding from CVPIA before? Yes      No x

If yes, list CVPIA program providing funding, project title and CVPIA number (if applicable):

N/A

By signing below, the applicant declares the following:

- The truthfulness of all representations in their proposal;
- The individual signing the form is entitled to submit the application on behalf of the applicant (if the applicant is an entity or organization); and
- The person submitting the application has read and understood the conflict of interest and confidentiality discussion in the PSP (Section 2.4) and waives any and all rights to privacy and confidentiality of the proposal on behalf of the applicant, to the extent as provided in the Section.

Steve Morgan  
Printed name of applicant

  
Signature of applicant

## B. Executive Summary

**Project Name:** Aquatic and Wetland Habitat Restoration for the Sun River Property  
North Delta Ecological Management Unit, Sacramento County

**Submitted by:** Wildlands, Inc.  
5910 Auburn Blvd., Suite 17  
Citrus Heights, CA 95621  
916/331-8810(ph), 916/331/-8755 (fax) /email: gsutter@wildlandsinc.com

The Sun River restoration project requests **\$2,223,404** for full-scale implementation of a previously-funded CALFED project. The initial grant was for the acquisition, restoration design and permitting of the 537-acre Sun River (a.k.a. Kuhn) property (CALFED Grant #PSP98-C1010). The property was acquired by the American Lands Conservancy (ALC) in February 2000. *ALC, Wildlands, Inc., California Waterfowl Association, Sierra View Landscape, Inc., Stone Lakes National Wildlife Refuge, and the U.S. Fish and Wildlife Service (USFWS)* are partnering on this project. The total cost of the project is \$3,055,391 with the remaining **\$831,987** anticipated from other grant funds. The intent is to complete restoration, initial monitoring, and convey it to the USFWS for long-term management.

The 537-acre Sun River property is located in Sacramento County, within Stone Lakes National Wildlife Refuge, and is south of and adjacent to South Stone Lake (Figures 1 and 3). It also occurs in within the CALFED's North Delta Ecological Management Unit (Figure 2).

Historically, the property contained extensive aquatic and perennial freshwater marshes that were part of the mosaic of habitats associated with South Stone Lake (Figure 4). Since the early 1900s, much of the area's aquatic habitat has been drained or filled to facilitate agricultural development. Currently, approximately 368 acres of the site are uplands, most of which are in agriculture, and the remaining 169 acres of the site are marsh, riparian, and aquatic habitats associated with South Stone Lake (Figure 5). Currently, there are only 169 acres of aquatic habitat, which is entirely open water slough. The proposed restoration and enhancement will add approximately 207 acres of marsh, riparian, and other aquatic habitats.

The goal for the property is to restore a mosaic of aquatic, perennial and seasonal emergent wetland, riparian, and grassland habitats. These restorations involve recontouring and/or building levees, which will restore backwater floodplain habitat and provide flood protection benefits for nearby communities. The completed project will also provide and enhance public use opportunities, including environmental education, wildlife viewing, hunting, boating, and fishing.

The envisioned restoration will expand the corridor of protected aquatic, wetland, and riparian habitats in the Stone Lakes/Cosumnes River Basin. It is consistent with CALFED's vision for the North Delta Habitat Corridor and with the U.S. Fish and Wildlife Service's (USFWS) Draft Recovery Plan for the Giant Garter Snake, complements Central Valley Project goals, and will contribute significantly to the recovery of the snake and other CALFED Priority species. The project has received solid support from a variety of agencies, organizations, and individuals.

## **C. Project Description**

### **1. Statement of Problem**

#### **a. Problem**

The Sun River restoration project addresses the following problems:

- Lack of wetland and aquatic habitats for a variety of fish and wildlife species, including many that are imperiled;
- Flooding at the northern edge of the Delta, specifically in the Point Pleasant area;
- Loss of giant garter snake habitat due to urbanization, specifically affecting the subpopulation in the Laguna and Morrison Creek drainages (USFWS Recovery Plan, 1999);
- Loss of upland grassland foraging, loafing, and roosting habitat for winter populations of sandhill cranes and white-fronted geese;
- Limited public access for both active and passive wildlife dependent recreational opportunities for a growing urban population in south Sacramento County.

The objectives of the proposed project are:

- Establish a flood flow relief system that maintains some stormwater detention capacity until high water events reach flood stage, at which point, flows would be allowed to spill into the habitat area, thereby reducing the flooding threat to nearby residents;
- Integrate flood management with innovative biotechnical methods to protect the existing riparian and wetland habitats on levees, while creating additional flood capacity;
- Establish a large marsh complex at the downstream end of the Laguna and Morrison Creek watersheds to create a core habitat area for the giant garter snake. The site will include linear channels with perennial open water and tule marsh, as well as refugia. The habitat will be modeled after nearby sites, such as Badger Creek Marsh and Gillzizer Slough, which maintain healthy populations of giant garter snakes;
- Maintain and enhance upland grassland areas for wintering sandhill cranes and other grassland dependent species; and
- Provide public access to portions of the Refuge, with an emphasis on recreational opportunities for the public, especially underserved populations (e.g., disabled boating and hunting opportunities; youth hunts, non-motorized fishing and boating access).

#### **b. Conceptual Model**

The Sun River restoration project will restore backwater floodplain habitat to improve flood management and giant garter snake recovery based on the following conceptual model premises:

- Reestablishing a large core habitat area for giant garter snakes modeled after other areas that are now sustaining populations of the species should promote their recovery in the Laguna and Morrison Creek watersheds, where they are threatened by loss of habitat.
- Allowing habitat areas to flood as "release valves" will have a positive or neutral effect on flood management;

- Establishing flood plain, backwater slough habitat with a flap gate drainage system will allow outflow and preclude the entrapment of aquatic species;
- Using biotechnical bank and levee stabilization methods will maintain existing riparian and wetland vegetation and wildlife communities associated with flood control structures and allow integrated flood management and habitat restoration (Schiechtl, 1997; Gray, 1996);
- Reestablishing flood plains will have multiple benefits to a number of species;
- Maintaining upland grassland areas through low duration, high density grazing will provide good forage areas for special status bird species (sandhill cranes, white-fronted geese and burrowing owls); and
- Providing new public access opportunities to the Refuge will increase usage, recreational opportunities, and advance knowledge of and appreciation for wetland and riparian habitats.

See Figure 7, for the conceptual model for the Sun River Restoration project.

### c. Hypotheses Being Tested

The Sun River restoration project is designed primarily to restore and enhance wetland and riparian habitats that support a number of important special status and harvestable species. The restoration design will provide both flood control and public access to the North Delta area. It also supports numerous CALFED goals and provides information about a number of the uncertainties identified in the PSP, such as:

- *“Flood Management as an Ecosystem Tool”*: The restoration project will help quantify flood plain storage benefits derived from flood management by studying the benefits in reducing peak flood flows during storm events. It will also explore ways to reconstruct levees that support habitat – without reducing levee strength – by using biotechnical levee stabilization measures, such as log-wave barriers.
- *“Shallow Water, Tidal and Freshwater Marsh Habitat”*: The restoration of a large marsh complex that includes linear channels and refugia from frequent flood events is designed to help establish giant garter snake habitat. This will allow evaluation of spatial habitat characteristics and their effect on the population dynamics of the snake, especially their colonization or extinction rates. It will also allow research into reestablishing flood plain backwater slough habitat.
- *“Beyond the Riparian Corridor”*: The restoration project is designed to provide benefits beyond the riparian corridor to many species, such as the Swainson’s hawk, greater sandhill crane, burrowing owl, short-eared owl, white-tailed kite, and many other species. The project will monitor and report site usage by these species. It will also monitor and summarize effects of an on site grazing program to maintain and enhance grasslands and the site’s relationship to adjacent agricultural lands, to help guide future management activities.
- *“Non-Native Invasive Species”*: Like many sites within CALFED’s North Delta Management Unit, this site has experienced problems with infestations by water hyacinth. The Stone Lakes Basin Water Hyacinth Control Group will continue monitoring the property and provide information regarding effective techniques to control this invasive species.
- *“Environmental Education”*: The Sun River site offers a unique opportunity to provide expanded public access for a rapidly growing urban area and function as a “show case” to educate the public about the benefits of passive and active natural resource management.

Public use on of the site will be monitored to ensure appropriate site use and management. The waterfowl programs would be designed to benefit disabled and youth hunters, in particular. In addition, passive activities, such as non-motorized boating and wildlife viewing, would further educate individuals as to the importance of the Central Valley's remnant delta slough and wetland habitats and, in particular, the southern portion of the Stone Lakes National Wildlife Refuge.

#### **d. Adaptive Management**

This full-scale implementation project will be closely administered to ensure a successful restoration and enhancement effort that also expands our understanding of how this type of natural system functions.

Several factors justify full implementation of this project: 1) the substantial body of scientific evidence regarding flooding threats in this section of the Delta (Beach Stone Lakes Flood Control, Sacramento County Report, 1998); 2) the documented need for restoration of large marsh complexes with linear channels to recover giant garter snake populations (USFWS Giant Garter Snake Draft Recovery Plan 1999); and 3) the role of grasslands in supporting sandhill cranes and waterfowl species (Littlefield, 2000).

This project will:

- Use flood monitoring data from Sacramento County Water Resources Division to guide water management on the site;
- Monitor the stability of the restored levee to ensure its long-term function and the success of biotechnical methods;
- Monitor recolonization by the giant garter snake to guide the management program;
- Monitor potential entrapment of aquatic species to adjust the timing of flood water intake and releases; and
- Use population and habitat data for target species, such as sandhill cranes, white-fronted geese, and other waterfowl and wading birds, to adjust the grazing regime and maximize ecological values.

The goals and methods of the project, as stated in the Problem, Conceptual Model, and Hypotheses Being Tested discussions, will direct project implementation, assist with monitoring and analysis, and adjust, if necessary, the management approach.

#### **e. Education Objectives**

The restoration project will expand the body of information available to both scientific and lay audiences, especially in regards to implementing ERP goals. It will provide information about: 1) recovering species at risk, such as the giant garter snake; 2) how livestock grazing methods help to maintain and enhance grasslands and wetlands for sandhill cranes, waterfowl species and other upland special status species; 3) how biotechnical levee rehabilitation and water control structures can protect and restore existing riparian habitat, including shaded riverine aquatic habitat; and 4) what methods are successful in reducing the negative impact of water hyacinth.

In addition, the project will provide educational opportunities by improving public access to a restored, functioning example of the Delta ecosystem within the Refuge.

## **2. Proposed Scope or Work**

### **a. Location and/or Geographic Boundaries of the Project**

The 537-acre Sun River property occurs in the North Delta Ecological Management Unit of the CALFED Ecosystem Restoration Program Plan's Sacramento – San Joaquin Delta Ecological Management Zone. It is located within the heart of Stone Lakes National Wildlife Refuge and shares a common border with the Refuge's South Stone Lake unit. The Refuge is part of the Stone Lakes/Cosumnes River Basin and is adjacent to the Cosumnes River Preserve. The project site is found on the Bruceville 7.5-minute quad map and the centroid, set from topos, is approximately 38° 20'00" latitude and 121°29'30" longitude.

### **b. Approach**

#### *Historical Setting*

As the historic USGS quadrangle map indicates (Figure 4), the site was at the transition zone between the Delta wetlands and uplands. Based on soils, it probably supported a mosaic of perennial and seasonal wetlands, as well as riparian and grassland habitat. Local farmers constructed levees and pumped down water levels to allow reclamation of the land for agriculture. Aerial site photographs from 1937 show the vast majority of the site in agricultural crop production.

#### *Existing Flood Management Setting*

Presently, approximately 169 acres of the 537-acre site are part of the mosaic of riparian and tule marsh wetland complex associated with South Stone Lake. The remainder is surrounded by levees constructed by the historical landowner. The site is presently grazed for cattle production.

These levees periodically fail and allow flooding of major portions of the property. These levee failures can offer minor flood relief to the local rural community of Point Pleasant because levee failures during certain levels of flooding can release Point Pleasant from some flood pressure. This flood protection value is limited by the site's lack of drainage. After the area floods, the water normally must be pumped out due to the site topography, the present levee configurations, and lack of drain outlets. The standing water on the property allows wind-generated waves to erode the inside of the levees, leaving major portions of the levees in an eroded condition. In addition, private landowners must reconstruct the levees after each failure (approximately 7 of the last 10 years), at their expense, or the flood protection value is lost.

#### *Existing Ecological Setting*

Until recently, much of the region of Sacramento County was historically dry land farmed or grazed. The grazed land provide winter habitat for sandhill cranes and white-fronted geese, and summer foraging for Swainson's hawk etc. Over the last few years, major portions of the historically grazed pasture in the region has been converted to vineyards. This has caused a



significant loss in habitat for these species. Sandhill cranes, geese, and Swainson's hawks have historically used the higher elevation portions of the site, increasing the value of these areas as surrounding land is converted to orchards.

The project site is also at the downstream end of the Morrison and Laguna Creek watersheds. These watersheds historically supported a subpopulation of giant garter snake – one of the subpopulations of giant garter snake that is of concern to the USFWS and California Department of Fish and Game. The site is a priority area for restoration in regards to recovery of this subpopulation and the species, in general (ref letter from USFWS).

#### *Conceptual Restoration Plan*

The conceptual restoration plan includes a number of wildlife habitat enhancement and flood management features (Figure 8). The goal of the restoration plan is to provide increased habitat for the target species, such as giant garter snakes, sandhill cranes, burrowing owls, Swainson's hawks, wading birds and waterfowl, and other species that use this type of habitat niche, such as western pond turtles, river otters, etc. The restoration plan works with both the existing hydrology of the area and the projected new hydrologic regime associated with the planned flood control improvements under Sacramento County's proposed "11f alternative".

Flood management features are integrated with the habitat development and water management program to enhance habitat values while helping to reduce the water surface elevation during moderate (5 to 40 year flood frequency) events. They include:

- Overflow weirs in the existing levees set to overflow at approximately the 8.5 to 9.5 elevation to allow the habitat areas to flood before floodwater levels reach the pad elevations of surrounding rural residential community (approximately 9.8 elevation);
- Water drainage systems that allow flood waters to drain out in a metered fashion, thus reducing downstream peaks and creating flood detention capacity for the next storm event (Figure 15/16);
- Reconstruction of existing levees to allow their long term sustainability (Figures 10); and
- Reduction of existing wave erosion of the levees by creating islands of riparian habitat adjacent to the levees and installing biotechnical treatments at key levee erosion areas to help reduce wave energy erosion on the levees during flood events (Figures 11/12).

Key habitat enhancement features include:

- Created perennial and seasonal wetlands with narrow open water channels and upland refugia specifically for the giant garter snake (Figures 13/14).
- Riparian islands created to help reduce wave energy on the levees, as well as provide nesting habitat for Swainson's hawks and cover and foraging habitat for neotropical migrant birds;
- Upland pasture managed through grazing to maximize winter habitat for sandhill cranes and white-fronted geese that traditionally use this area, as well as nesting habitat for waterfowl;
- Earthen mounds created with artificial burrows for burrowing owls and to serve as refugia for the giant garter snake; and
- Shallow, seasonally flooded wetlands that will offer habitat for waterfowl and wading birds.

Public access to the Refuge will be greatly enhanced by developing facilities, such as a small boat ramp for car top boats, canoes, kayaks and electric motored boats (Figure 9/17). Hunting and wildlife observation blinds will also be provided for youth and disabled hunters, in particular. The California Department of Fish and Game will administer and monitor the hunting program. The USFWS will control and monitor public access.

Through restoration, the site will be contoured to specific elevations so that desired wetland and riparian plant communities will recolonize specific habitat zones. The colonizing plants will be self-sustaining from the outset, which will reduce the cost for revegetation materials, plant irrigation, and maintenance. Limited planting in the wetland and riparian zones will provide initial vegetative cover while the natural colonization process occurs. This will also enable testing of different hypotheses on the suitability of restoration and revegetation techniques that could lower the costs for future restoration projects.

The restoration design is a predictive model of the various habitats and vegetative communities expected to be restored following grading, an initial limited planting and the reestablishment of a more natural hydrologic regime. Long-term monitoring will determine if the restored habitat zones are being colonized by the desired plant species, maturing as expected, and being used by the anticipated fish and wildlife species. Monitoring will target restored and reference habitats to compare parameters, including plant species composition and cover, and use by fish and wildlife. The results of monitoring will aid in determining if adaptive management actions (e.g., regrading, plantings of additional plants, weed control) are needed and help guide future restoration projects.

### **c. Monitoring and Assessment Plans**

The Sun River restoration project will comply with all regulatory monitoring requirements, as stipulated by state, federal and local authorities. A final monitoring plan will be prepared prior to any data collection on the site and control sites will be used to provide reference data. The USFWS Endangered Species Division, in cooperation with the USGS Biological Research Division, will assist with monitoring response of giant garter snake populations. In addition, the Project Monitoring Plan will, at a minimum, monitor the following:

- Hydrology -- both on the site and at the adjacent hydrographic station on Snodgrass Slough;
- Levee stability and structural soundness;
- Vegetation cover and types for various managed habitats, including grazed grassland areas;
- Target wildlife species, such as giant garter snake, sandhill cranes, and white-fronted geese;
- Affects of possible entrapment of aquatic species at the site;
- Other wildlife species, such as waterfowl and wading birds; and
- Public use of the site.

The emphasis in the data collection will be to evaluate the system level progress and assist with future restoration efforts. Project managers will use Global Positioning Systems (GPS), to ensure monitoring station replication, and ARC-View, to process, store and illustrate the spatial relationships of natural resource features. This will provide a multi-layered database allowing evaluation and interpretation of the data. These data sets could also be used to prepare monitoring reports and protocols for future projects.

Giant garter snake monitoring will focus on habitat use and abundance in the restored wetlands of the Sun River site as these wetlands mature after initial construction. The goal of the monitoring is to determine benefits of the restored habitat for giant garter snakes and provide a basis for adaptive management. The objectives are to: 1) determine when giant garter snakes colonize this restored habitat; 2) evaluate habitat use in the restored habitat; and 3) estimate the numbers of giant garter snakes supported by this habitat over time.

Yearly monitoring reports will be produced comparing the biological functions of the site to control sites. These monitoring reports will be provided to CALFED, Sacramento County, the Delta Protection Commission, and other relevant resources agencies and permitting entities.

#### **d. Data Handling and Storage**

The data will be handled, stored and used in ARC-View, AutoCAD, Word, and Excel programs. This information will be available to funding entities and agencies via zip disks or CD. This data has the capability to be shared through all appropriate digital and hard copy formats.

#### **e. Expected Products/Outcomes**

The value of aquatic habitats at Sun River will be greatly increased by the restoration of marsh-slough complexes. Benefits, or outcomes, will occur in three areas: 1) Integrating these habitats with riparian and grassland habitats will provide niche space that will support an abundance and variety of fish and wildlife; 2) The habitat development program includes flood management features intended to help reduce the flood threat to nearby communities; 3) The restored habitat will offer increased recreational opportunities in the North Delta for a growing urban population in southern Sacramento County and beyond.

##### *Outcomes: Riparian Functions*

The value of the project site's riparian habitat corridor will be improved by increasing corridor width and continuity, and interspersing marsh and slough channel habitats to improve habitat complexity. Benefits derived from these restoration actions will include expansion of shaded riverine aquatic habitat for fishes and riparian habitat for neotropical migratory birds and other wildlife. The increased vegetative cover and improved habitat conditions will provide increased nesting, resting, foraging, and escape cover, all of which lead to an increase in abundance of resident and fish and wildlife species.

##### *Outcomes: Special-Status Species*

The restored habitats will support a number of CALFED Priority I, II, III, and IV species and species groups. In regards to Priority I species, when the Lambert Road flood control structure is overtopped during high water flood events, the South Stone Lakes Basin would provide spawning habitat for Sacramento splittail. If the Lambert Road structure were modified to enhance tidal influence, the property would then provide potential rearing and/or spawning habitat for other Priority I species, such as Delta smelt and Chinook salmon. With the Lambert Road flood control structure in its present design, the project's ability to reduce ecosystem stressors is limited.

Priority II species that will benefit from habitat restoration include the Swainson's hawk and Valley elderberry longhorn beetle. Priority III species benefiting from the project include the

giant garter snake, western pond turtle, greater sandhill crane, western yellow-billed cuckoo and Sacramento perch. Priority IV species groups benefiting include native resident fishes, waterfowl, shorebirds, wading birds, and neotropical migratory birds. The burrowing owl, short-eared owl, and white-fronted and Canada geese would also benefit from the proposed restoration. See Table 1, which lists the expected acreage amounts by habitat types.

#### **f. Work Schedule**

Construction and planting for the habitat restoration project is expected to take approximately six months to complete during the first year. Following this six-month period, the project will then require a five full years of operation, maintenance, and habitat and species monitoring. This CALFED grant proposal requests funding for three years, through June 2003. The remaining funding for the phase ending June 2003 is being solicited from other funding sources.

The schedule for habitat restoration work is:

Design and Permitting:(already CALFED funded)	March 2000 to March 2001
Final Design and Site Construction:	March 2001 to September 2001
Year 1 Maintenance and Monitoring:	March 2002 to June 2002
Year 2 Maintenance and Monitoring:	March 2003 to June 2003
Year 3 Maintenance and Monitoring:	March 2004 to June 2004
Year 4 Maintenance and Monitoring:	March 2005 to June 2005
Year 5 Maintenance and Monitoring:	March 2006 to June 2006

#### **g. Feasibility**

The probability of success is high. The Sun River restoration project will utilize habitat restoration models that have been successfully used in projects throughout the Central Valley and in other projects implemented by Wildlands. Such projects include those cited in the USFWS Recovery Plan for the giant garter snake, biotechnical and levee stability projects implemented by the USACE flood control projects, and upland grassland restoration and enhancement programs used in California Waterfowl Association projects. Construction will begin in late spring 2001 or when the soil conditions of the site are relatively dry.

##### *Permitting*

As discussed in the environmental checklist section (see Section J), this project will require a Sacramento County grading permit, a Clean Water Act Section 404 permit, an Endangered Species Section 7 or 10a (for monitoring), a Streambed Alteration Agreement (California Department of Fish and Game Code 1603 et al), and water quality certifications from the Central Valley Regional Water Quality Control Board. The permitting of this project will be conducted in the summer, fall, and winter of 2000-2001, and will be completed by Spring of 2000.

## **D. Applicability to CALFED ERP Goals, Implementation Plan and CVPIA Priorities**

### **1a. ERP Goals**

The Sun River restoration project contributes to the objectives of the Ecosystem Restoration Strategic Goals in the following ways:

- Aids with the recovery of species at risk, such as the giant garter snake, burrowing owl, valley elderberry longhorn beetle, sandhill crane, and white-fronted goose (Goal 1);
- Rehabilitates natural processes associated with wetland and riparian ecosystems (Goal 2);
- Maintains and enhances populations of harvestable waterfowl dependent upon Central Valley wetland and riparian habitats (Goal 3);
- Protects and restores functional wetland, riparian, and open water habitat that will provide additional opportunities to support wildlife viewing, hunting (youth and disabled hunters, in particular), public access, and passive boating (non-motorized) activities to an under-served area (Goal 4); and
- Further prevents the establishment of noxious weeds including starthistle, perennial pepperweed, and water hyacinth (Goal 5).

### **1b. CVPIA Priorities**

The Sun River property is located within the service area for the Central Valley Project (CVP). CVP water has been diverted from sloughs and channels, allowing wetlands, vernal pools, and other natural landscapes to be leveled and converted to agricultural land. These natural landscapes once supported a wide range of federal and state-listed species and other special status species, such as the giant garter snake and Swainson's hawk. This project helps satisfy one of the CVP Improvement Act's three main restoration goals: To improve conditions for other fish and wildlife affected by the CVP.

The Sun River project complements CVP's Conservation Program, which was established to help address the CVPIA's goal by protecting, restoring, and enhancing special status species and their habitats in areas directly or indirectly affected by the CVP. The restoration project conforms to CVP's Conservation Program, which aims to:

- Address the needs of threatened and endangered species in an ecosystem-based manner;
- Assist in the conservation of biological diversity; and
- Improve existing conditions for threatened and endangered species, thereby ensuring that the CVP will not jeopardize the existence of any species.

### **2. Relationship to Other Ecosystem Restoration Projects**

The restoration of this property will contribute to the goals of many regional and federal and state programs and plans, including the Sacramento County General Plan and the South Sacramento County Habitat Conservation Plan. This restoration project will also support the goals and objectives of the Anadromous Fisheries Recovery Plan, the USFWS Central Valley San Francisco Bay Ecoregion Plan, the Central Valley Habitat Joint Venture Implementation Plan, USFWS Concept Plan for Waterfowl Wintering Habitat Preservation, North American

Waterfowl Management Plan, Stone Lakes National Wildlife Refuge goals, and several other endangered species recovery plans.

### **3. Requests for Next-Phase Funding**

The restoration of the Sun River property is the next phase for implementation of a previously funded CALFED project. The original funding proposal addressed acquisition of the property and initial planning for restoration design and permitting. The acquisition was successfully completed in February 2000. Initial restoration design and permit planning should be completed by March 2001 (see attached "Summary: Existing Project Status").

### **4. Previous Recipients of CALFED OR CVPIA Funding**

CALFED previously provided \$2,338,000 for the acquisition and initial restoration and permit planning for the restoration of the Sun River property (#PSP98-C1010). The CALFED grant was awarded to the USFWS who worked with the American Land Conservancy and Wildlands, Inc. to complete the acquisition. This proposal for completing the restoration and biological monitoring of the property is the next logical phase for the project.

### **5. System-Wide Ecosystem Benefits**

The Sun River restoration project will provide tangible benefits to the North Delta sub-unit and the Bay-Delta ecosystem. This project is designed to improve and expand wetland and riparian habitats and improve ecological functions in the Bay-Delta. This will help support sustainable populations of special status species, such as the giant garter snake, sandhill crane, white-fronted goose, and other important waterfowl and wading bird species. The project will also improve flood control and reduce threats to nearby land uses and economic activities.

## **E. Qualifications**

### **Wildlands, Inc.**

Wildlands, Inc. will be the project lead in the final planning, permitting, design/build, operations and maintenance, monitoring, and adaptive management of the site. In addition, Wildlands, Inc. will coordinate other aspects of the project including development of public use improvements (e.g., hunting, fishing, boating) and procurement of additional funding. Wildlands, Inc. is a private habitat restoration and land management entity, which specializes in wetland, riparian and endangered species habitat restoration and preservation. Wildlands currently is the sole owner of the habitat development rights on the property in association with the American Lands Conservancy. Wildlands has successfully completed restoration and enhancement projects in the Delta and Central Valley habitats such as:

- *Kimball Island*: Restore and enhance shaded aquatic riverine and plaustrine emergent marsh in the western Delta;
- *Sheridan Mitigation Bank*: Restore and created riparian, plaustrine emergent marsh, open water, and vernal pool habitats, along with burrowing owl and Valley Elderberry Longhorn Beetle habitat;
- *Dolan Ranch*: Protect and enhance giant garter snake habitat, vernal pools, seasonal wetlands, annual grasslands, and burrowing owl and Swainson's hawk habitat; and
- *Orchard Creek*: Protect and enhance vernal pool and swale habitat, along with native grasslands.

### **American Land Conservancy**

The American Land Conservancy (ALC) will assist in project monitoring and fiscal reporting. ALC is the owner of the property and will convey title to the property to the Stone Lakes National Wildlife Refuge after the restoration has been completed. ALC is national, private, non-profit organization. ALC works in close partnership with communities, private landowners, local land trusts, public land agencies, and elected officials to create effective conservation solutions for threatened land and water resources.

### **California Waterfowl Association**

The California Waterfowl Association will coordinate and assist in the development of a restoration plan, the planning and design of a multi-use hunting program targeting disabled and youth hunters, and applying for grants. The California Waterfowl Association is a nonprofit public benefit organization dedicated to the preservation and enhancement of California's waterfowl, wetlands, and associated outdoor heritage. California Waterfowl Association has successfully restored, enhanced, and preserved thousands of acres of wetland and riparian habitat throughout California.

### **Stone Lakes National Wildlife Refuge**

The Stone Lakes National Wildlife Refuge will cooperate with the partners in planning the restoration, applying for grants, and then will act as the long-term managers of the site, after the initial design/build project has been completed. The Stone Lakes National Wildlife Refuge

currently manages 3,850 acres of Service owned and other lands owned by other agencies. The goal of the Refuge is to protect and enhance a total of 18,000 acres within the Stone Lakes Basin. The Refuge is uniquely qualified to manage this site in perpetuity. **The Refuge will work cooperatively with the California Department of Fish and Game, who will act as hunting program manager, in managing the hunting programs on the site and on identified adjacent properties.**

**U.S. Fish and Wildlife Service, Endangered Species Division/ U.S. Geologic Survey, Biological Research Division**

The U.S. Fish and Wildlife Service, in cooperation with the U.S. Geologic Survey, Biological Research Division, will assist in the monitoring of giant garter snake re-colonization of the site. The U.S. Fish and Wildlife Service, Endangered Species Division produced the Giant Garter Snake Recovery Plan and has participated in a number of biological monitoring efforts of giant garter snake habitat and restoration efforts. The goal of their monitoring efforts is to determine habitat use and abundance of giant garter snakes in restored wetland habitats.

**Sierra View Landscape, Inc.**

Sierra View Landscape, Inc. will be the restoration contractor for the grading, levee repair, water control structures, and riparian and wetland re-vegetation. Sierra View Landscape, Inc. has been an innovative leader in the emerging field of wetlands and riparian habitat restoration since 1989. Sierra View Landscape has successfully contracted with land developers, environmental consultants, utility companies, and county, state, and federal agencies to create or restore over 2,500 acres of wildlife habitat in over 17 California counties. Sierra View Landscape has partnered with Wildlands, Inc. on a number of projects including the award winning Wildlands Mitigation Bank in Placer County.



## **F. Cost**

### **1. Budget**

The total cost of implementing the Sun River project is \$3,055,391. However, the project partners are requesting only \$2,223,404 from CALFED, with the remaining share expected to be raised from other grant sources. Thus, the anticipated match would be approximately 27 percent of the total project cost. Since it is anticipated that the project partners will be able to obtain the full amount of the project costs, this project is considered a full scale implementation project.

As required under the CALFED grant program, the Sun River requests for funds would cover only the first three years of the project. The initial site construction and the first two years of monitoring would be covered solely by the requested CALFED portion of this grant. Further, it is anticipated that costs for maintenance will be higher in the first few years following construction due to adaptive management needs

The primary costs for the project are associated with the initial site construction and will be incurred in the first year. Activities included in the initial site construction include: developing final design and grading plans, surveys, excavation and grading; installing wells, pumps, water control weirs, and outflow gates; seeding erosion control berms, weed spraying, planting of riparian and wetland vegetation, building habitat features (e.g., burrowing owl dens, etc.), and construction oversight and management.

The remaining amount of money to complete the project, \$831,987, primarily for the public access facilities and maintenance and monitoring for years 3,4,5 will be sought from other appropriate grant sources. However, due to the extensive monitoring program desired by CALFED, if other entities are unwilling or unable to fund monitoring at the proposed level, we may request additional CALFED funds for the monitoring in years 3,4, and 5, in future years.

Funding for administration and management of the project will be necessary over the entire six years of the project; one year for construction and five for maintenance and monitoring. In addition, given that project funding under CALFED does not become available until next year, costs for inflation were built into the final project cost calculations.

### **2. Cost-Sharing**

The Sun River partners will work cooperatively to obtain the additional \$831,987 needed to complete the project. The project will be applying for grants from the USFWS North American Waterfowl Conservation Act, California's Environmental Enhancement Mitigation Program, the Wildlife Conservation Board, and the Department of Boating and Waterways. In addition, the partnering entities will pursue private foundation monies for unfunded aspects of the program.

The Sun River restoration project envisions using a combination CALFED Ecosystem Restoration Projects and Program monies, NRCS's Wetland Reserve Program, and USFWS North American Waterfowl Conservation Act grant monies for on-the-ground restoration of the site. Project partners will also apply to the California Wildlife Conservation Board, the Department of Boating and Waterways, and the Environmental Enhancement Mitigation

Program for funds to improve public access for wildlife viewing, hunting, fishing, and boating programs.

All of the cooperating partners have agreed to assist with procuring project funding by providing in-kind services and pursuing grants monies. The American Lands Conservancy and Wildlands are providing a major contribution in terms of the economic value of the Sun River property. ALC will convey title to the property to the USFWS after it has been successfully restored. In order to facilitate transfer of the property to Stone Lakes NWR and contribute to expanded opportunities for waterfowl and upland game hunting, Wildlands, Inc. has opted to forgo the potential for developing a mitigation site on the property.

## G. Local Involvement

Those with a potential interest in this project include adjacent private landowners, other local and state agencies owning land within the Stone Lakes NWR refuge project boundary, county-level agencies, local schools, native American tribal organizations, and non profit organizations. Many affected parties have already been contacted and will continue to be consulted with. The Sun River partners have received a very positive response to the planned restoration effort, as noted in the submitted letters of support (see Section J).

Since the property is within the refuge boundary, the refuge staff has already done considerable community outreach involving similar nearby efforts and maintains a mailing list that includes those who would be affected by the project. Both the Sacramento County Board of Supervisors and Delta Protection Commission have been contacted.

The following groups and organizations have been contacted and/or consulted regarding the proposed restoration effort:

- *California Department of Fish and Game* (informal consultations) supports the restoration plan and the proposed public access for hunting and fishing;
- *Delta Protection Commission* (informal consultation) supports efforts to restore Delta ecosystems and sees the potential benefits for floodwater conveyance and expanded public use opportunities that this project offers;
- *Sacramento Area Flood Control Agency and Sacramento County Department of Water Resources* support improved flood control and are consulting in the levee design plan;
- *Ione Band of Miwok Indians* has a positive working relationship with Stone Lakes NWR and will assist in issues related to the one known archaeological site on the property.

In addition to the listed partners on the Sun River restoration project, the following organizations have expressed support for this project: *North Delta Conservancy, Stone Lakes National Wildlife Refuge Association, Stone Lakes Refuge Alliance, Sacramento Open Space, California Audubon and general interest in greater access from local schools.*

Wildlands, Inc. and the USFWS have consulted with concerned landowners of the Point Pleasant area regarding proposed restoration and they have expressed their support of projects which address their flood concerns.

When the property is ultimately conveyed to the USFWS for long-term management, there will be no net loss in tax revenue due to the Federal Refuge Revenue Sharing Act whereby payments in lieu of taxes will be provided to Sacramento County. In addition, as public use programs are developed, local businesses (boat, fuel, food, sundries, etc) should see an increase in revenue, yielding an increase in sales tax collected, as well as increases in business-related income and business/personal taxes.

## **H. Compliance with Standard Terms and Conditions**

Wildlands, Inc. and all its partners agree to comply with the standard terms and conditions as set forth in the CALFED 2001 Proposal Solicitation Package. Wildlands, Inc. has reviewed and understands the standard terms for both the State and Federal granting conditions.

Wildlands, Inc. is partnering with a number of different entities to perform this effort and thus assumes that these entities are partners, rather than subcontractors, and thus are not subject to the competitive bid process. All the work of the partners is shown within this proposal.

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U.S. Fish and Wildlife Service. 1999. Draft Recovery Plan for the Giant Garter Snake (*Thamnopsis gigas*). U.S. Fish and Wildlife Service, Portland, Oregon. ix+192 pp.

Wylie, Glenn. Wetlands ecologist. Dixon Field Office, USGS, Biological Resources Division, Dixon CA. March 30, 2000 – field meeting.

## **J. Threshold Requirements**

All appropriate threshold requirements as specified by the 2001 Proposal Solicitation Package has been included in the appendices.

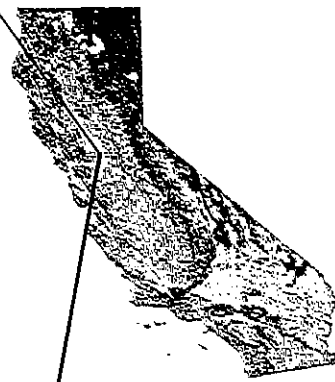
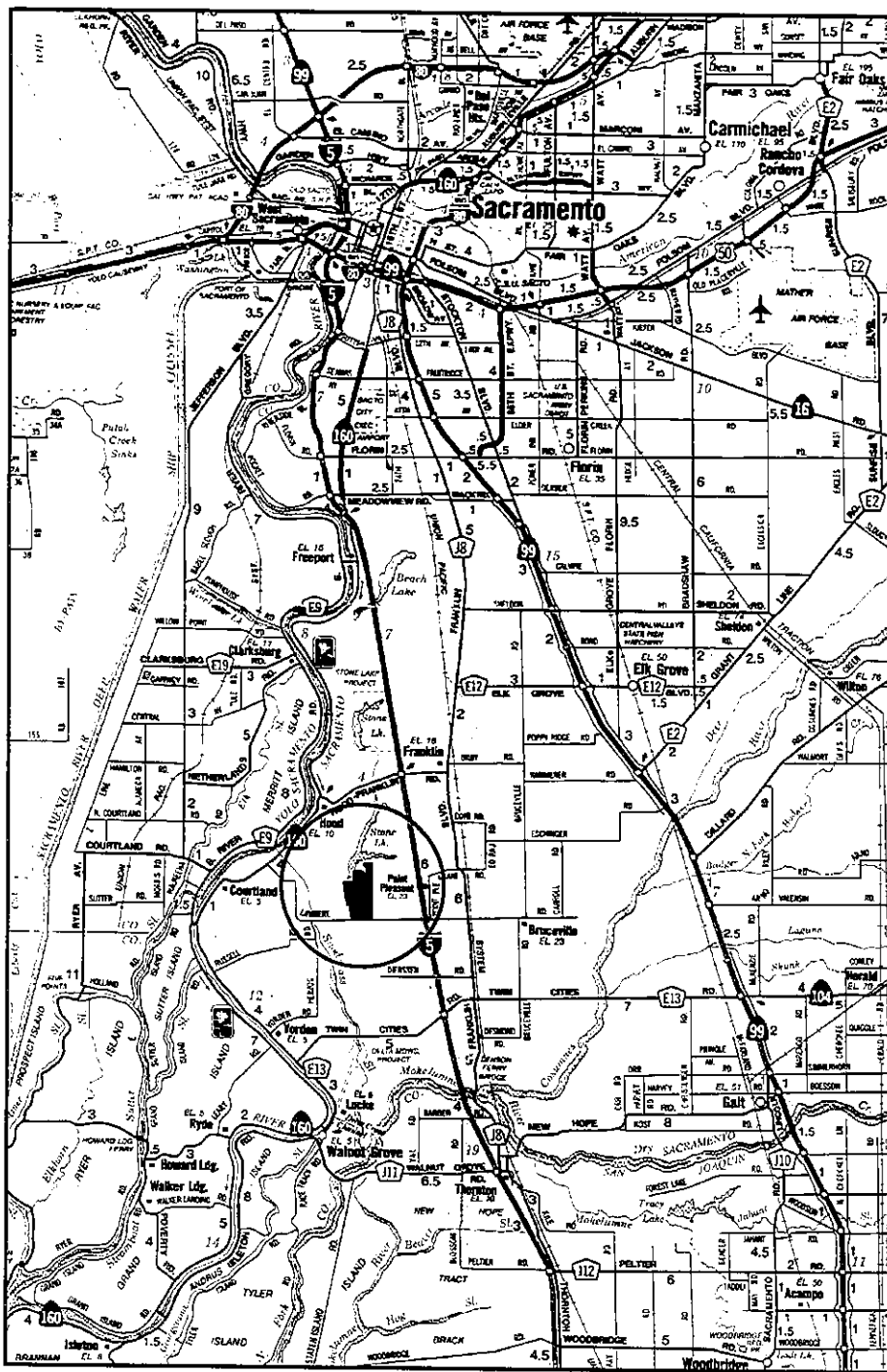
1. Letter of Local Government Notification for Sacramento County and the Delta Protection Commission;
2. Permission Letters from Landowners to Access the Properties;
3. CALFED Environmental Checklist;
4. CALFED Land Use Checklist;
5. Nondiscrimination Form
6. Bidders Bond
7. Non Collusion Affidavit
8. Proof of Contractors License
9. Standard Form 424/Non-construction Budget Form

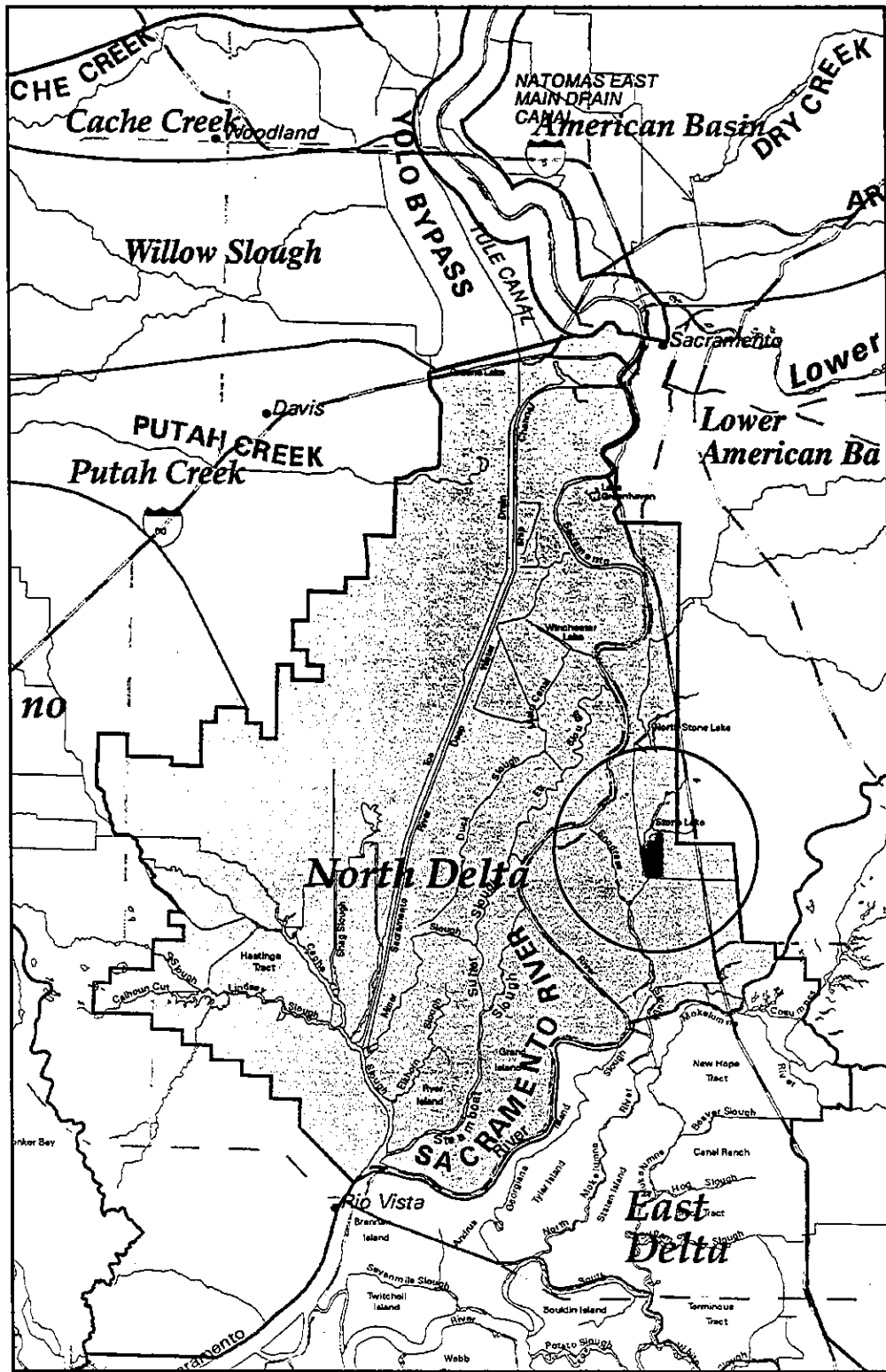
Others:

1. Letters of Support:
  - A. County of Sacramento Department of Parks and Recreation and Open Space;
  - B. North Delta Conservancy;
  - C. Sacramento Open Space;
  - D. Stone Lakes Refuge Alliance;
  - E. U.S. Fish and Wildlife Service Letter (Site Acquisition);



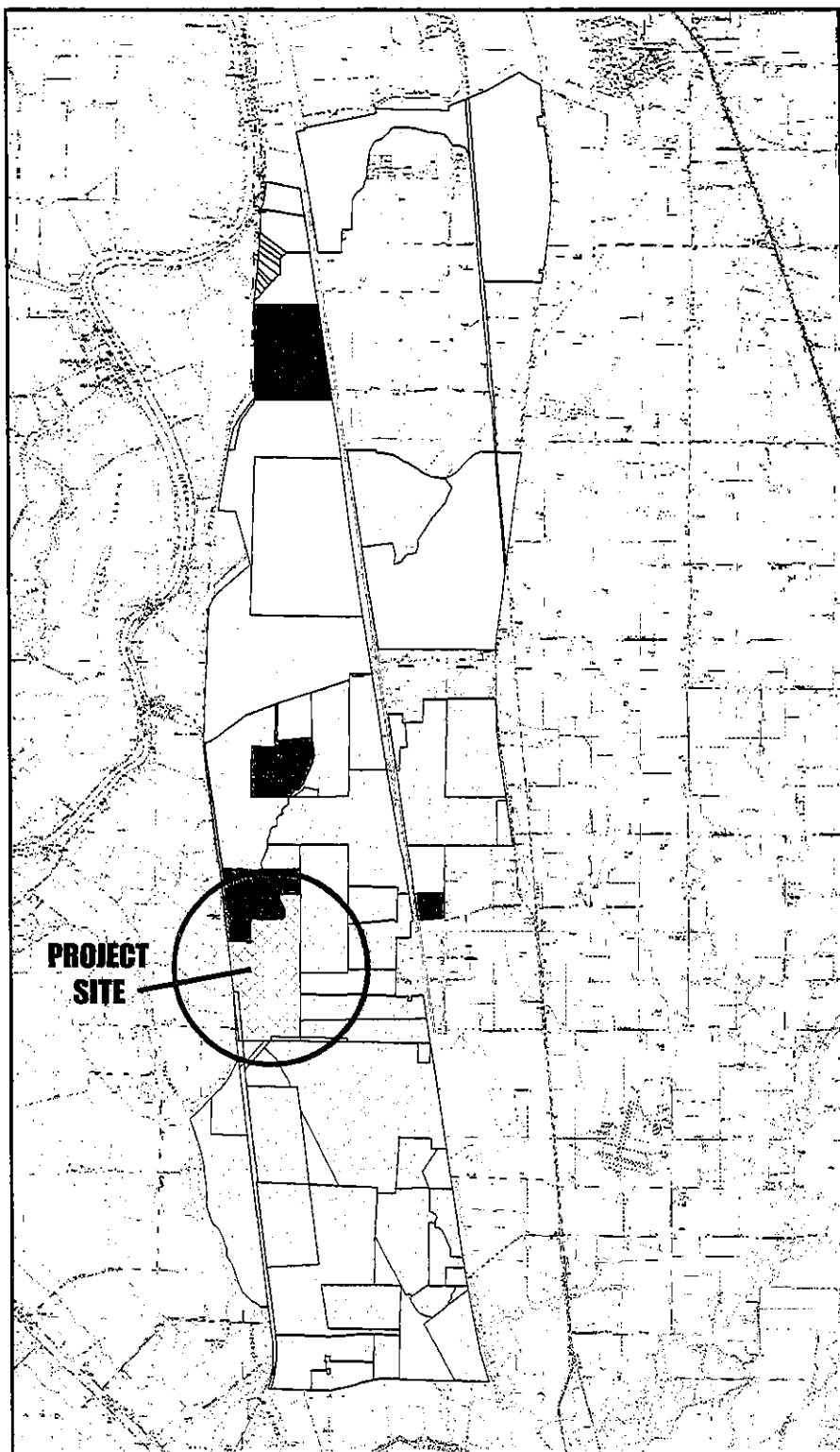












Project Site in Relation to the CALFED  
North Delta Ecological Management Unit

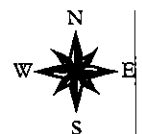




Stone Lake National Wildlife Refuge  
Land Ownership Categories

-  Fee Title
-  Cooperative Agreement
-  Planned Donation
-  Sun River Project Site
-  Pursuing Acquisition
-  Private Ownership

3000 0 3000 Feet



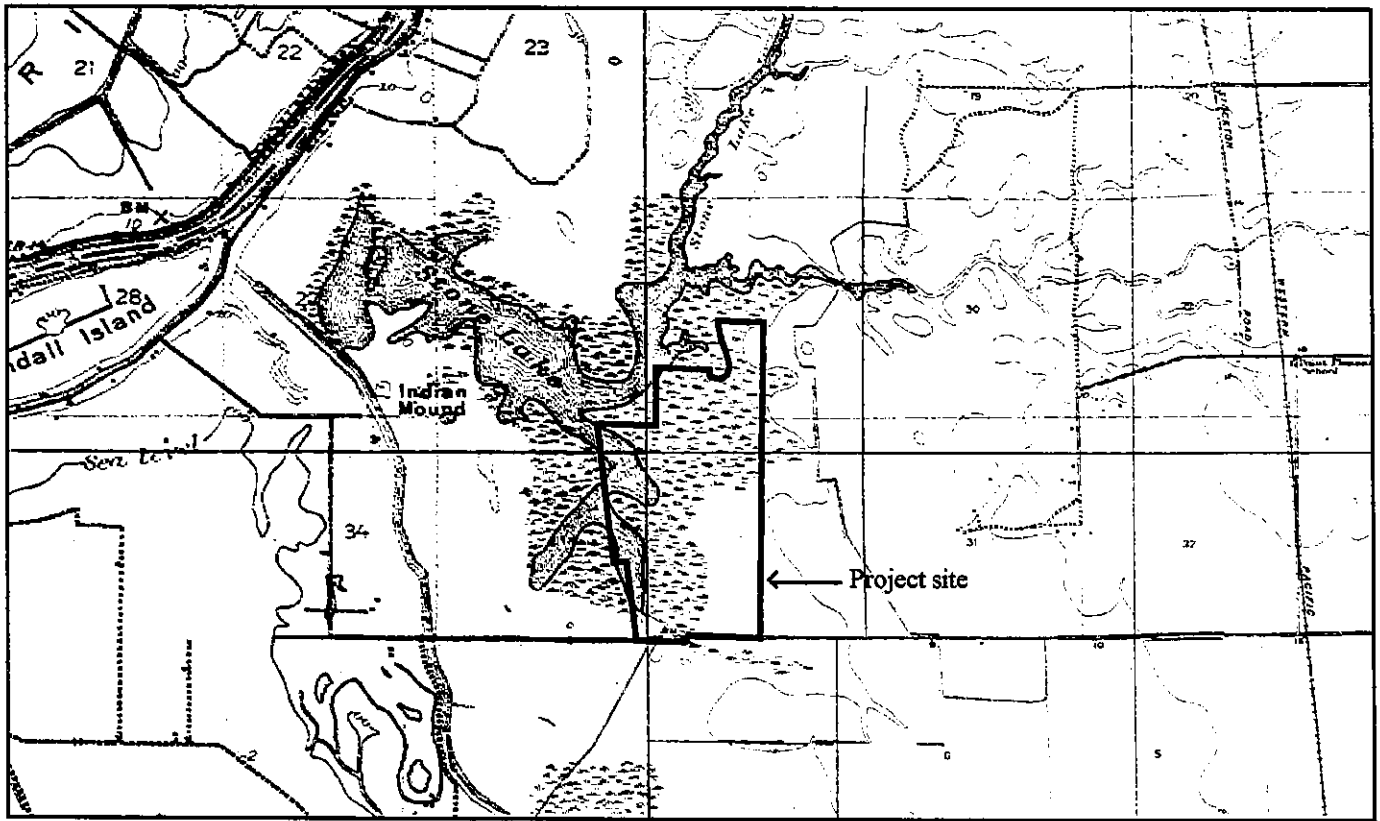
Source: adapted from data provided by Stone Lakes National Wildlife Refuge

Project Site in Relation to Stone Lakes National  
Wildlife Refuge Complex Planning Area

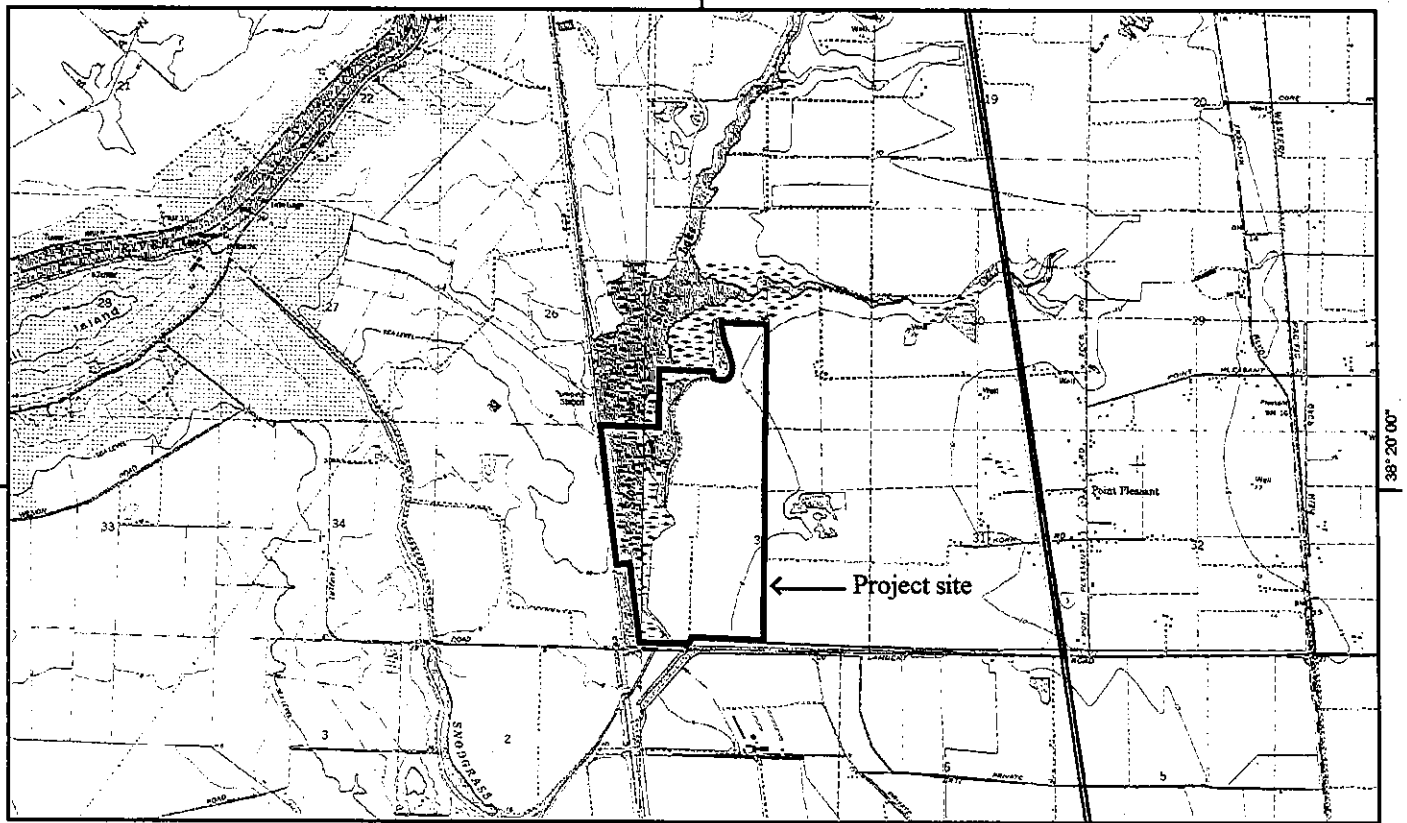


Wildlands, Inc. Sun River CALFED Grant Application

Figure 3

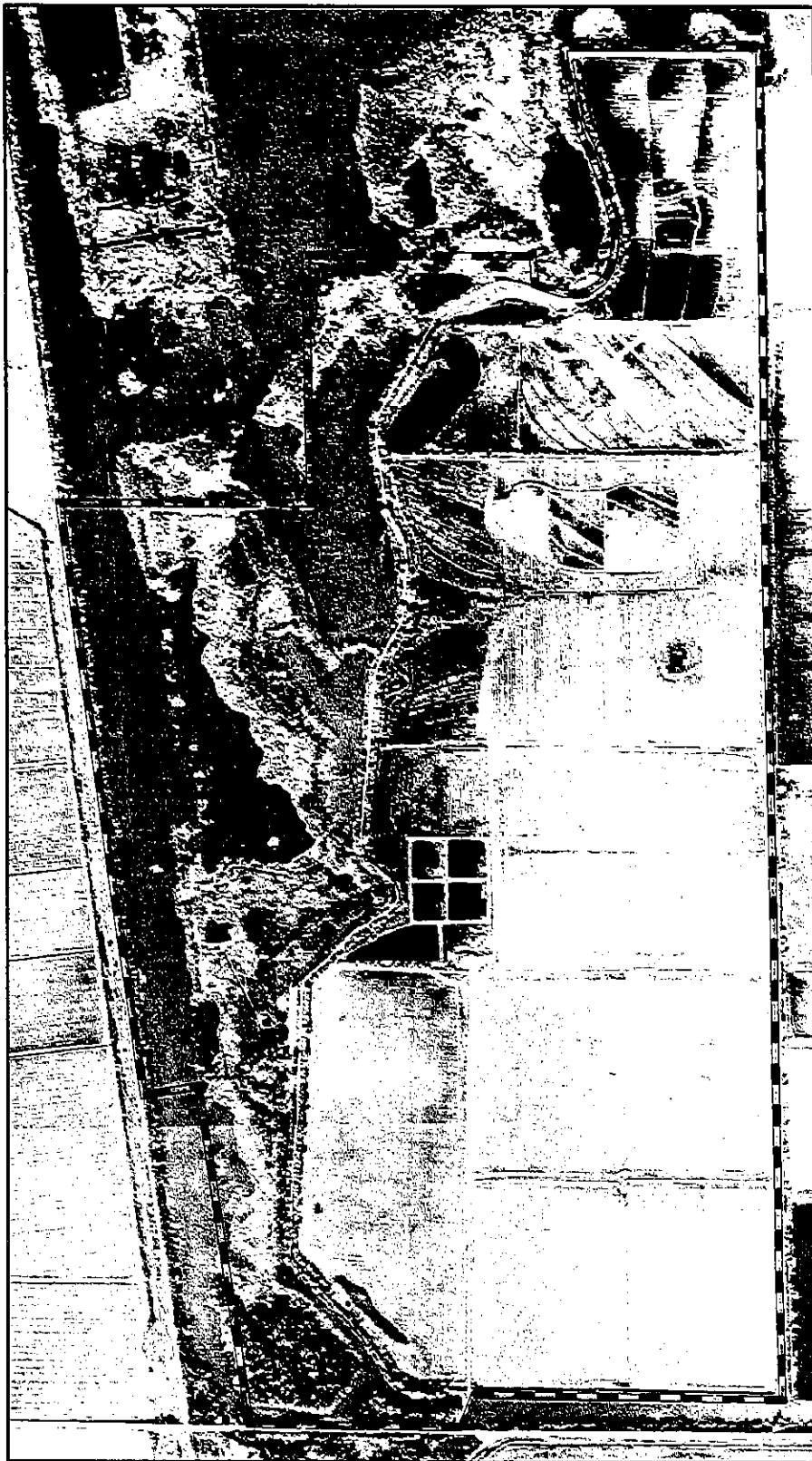


Compiled from USGS Courtland and Bruceville quadrangles, survey dates 1906-1908



Compiled from current USGS Courtland and Bruceville quadrangles





Property Boundary \*

600 0 600 1200 Feet



\*Approximate property boundary interpolated from:

Plat Map 132-21; GIS data from Stone Lakes NWR; and information from McBride Realty Co.

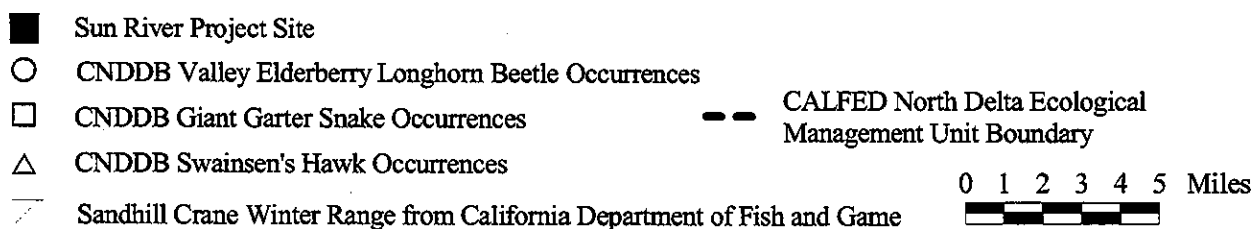
Aerial photo source: U.S. Fish and Wildlife Service, Stone Lakes National Wildlife Refuge; contact: Tom Harvey



Wildlands, Inc. Sun River CALFED Grant Application

Existing Site Conditions

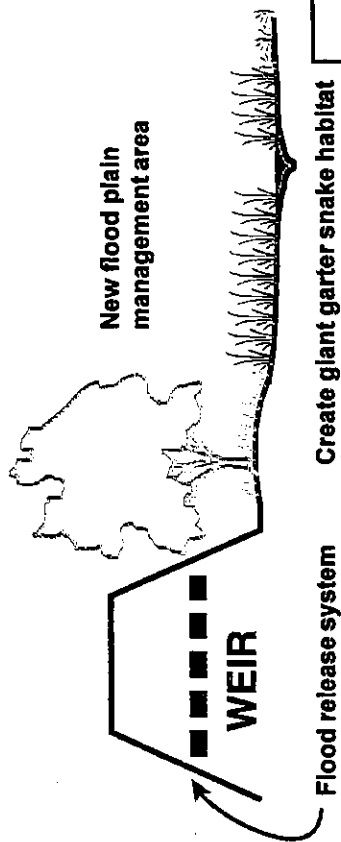
Figure 5



# Goals

- Recovery of local GGS population
- Net neutral or benefits to flood control

## Conceptual Restoration Restored Wetland Habitat & Integrated Flood Management Tool



## Existing Conditions

Low population  
of GGS

Rural residential flooding



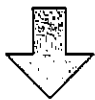
Inform  
other  
CalFed  
restoration  
efforts



Monitor GGS population  
and adjust hydrology  
as necessary through  
adaptive management



Monitor other ecological values  
and adjust grazing levels  
through adaptive management



Monitor weir overflow  
frequency and duration  
Adjust elevation through  
adaptive management to  
maintain flood control  
benefits

Reduced flood hazards



Increased GGS population



Increased  
ecological values





## Legend

- \* Cultural Site
- Property Boundary\*
- Weir
- ⊖ Outflow Structure
- ▨ Parking, Roads, Levees

## Restored and created habitat areas

- ▨ Burrowing Owl
- ▨ Channel
- ▨ Open Water
- Perennial Marsh
- Seasonal Marsh
- ▨ Riparian
- ▨ VELB
- Upland Grassland
- Upland Grassland Berm

## Preserved habitat areas

- ▨ Preserved Riparian
- ▨ Preserved Open Water



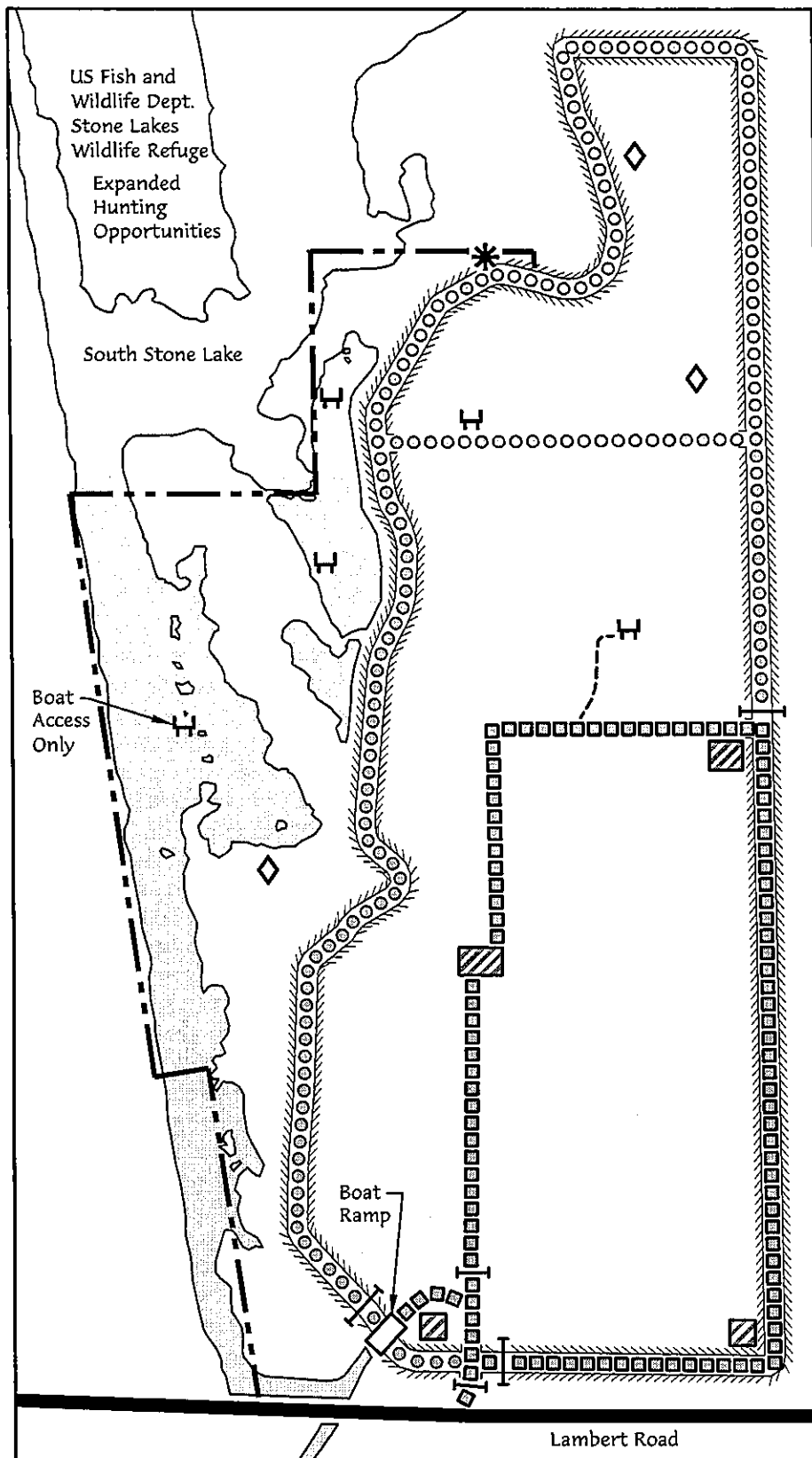
Scale 1" = 1000'



\*Approximate property boundary interpolated from:  
Plat Map 132-21, GIS data from Stone Lakes NWR, and information from McBride Realty Co.







## Legend

- Cultural Site
- Property Boundary\*
- Levee
- Gate
- Gravel Road
- Dirt Road
- Parking Lot
- ADA Accessible Trail
- Mobility Impaired Blind
- Standard Duck Blind
- Water

\*Approximate property boundary interpolated from:  
Plat Map 132-21, GIS data from Stone Lakes NWR, and information from McBride Realty Co.



Scale 1" = 1000'



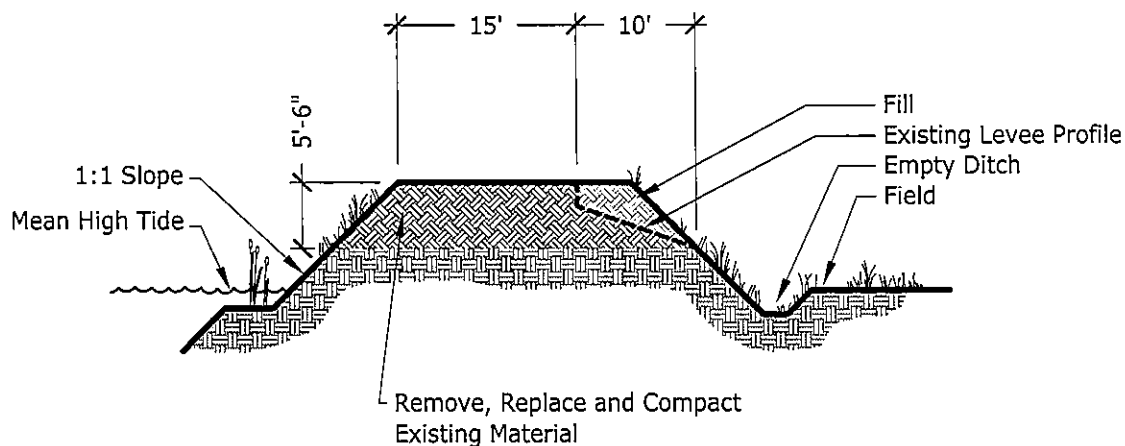


Figure 10a: Typical Levee Repair Cross Section - West and North Levees

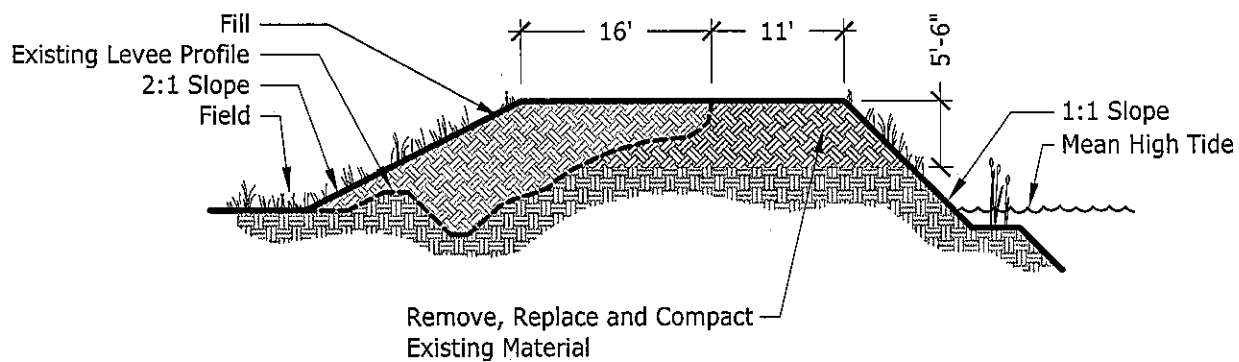
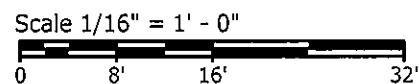
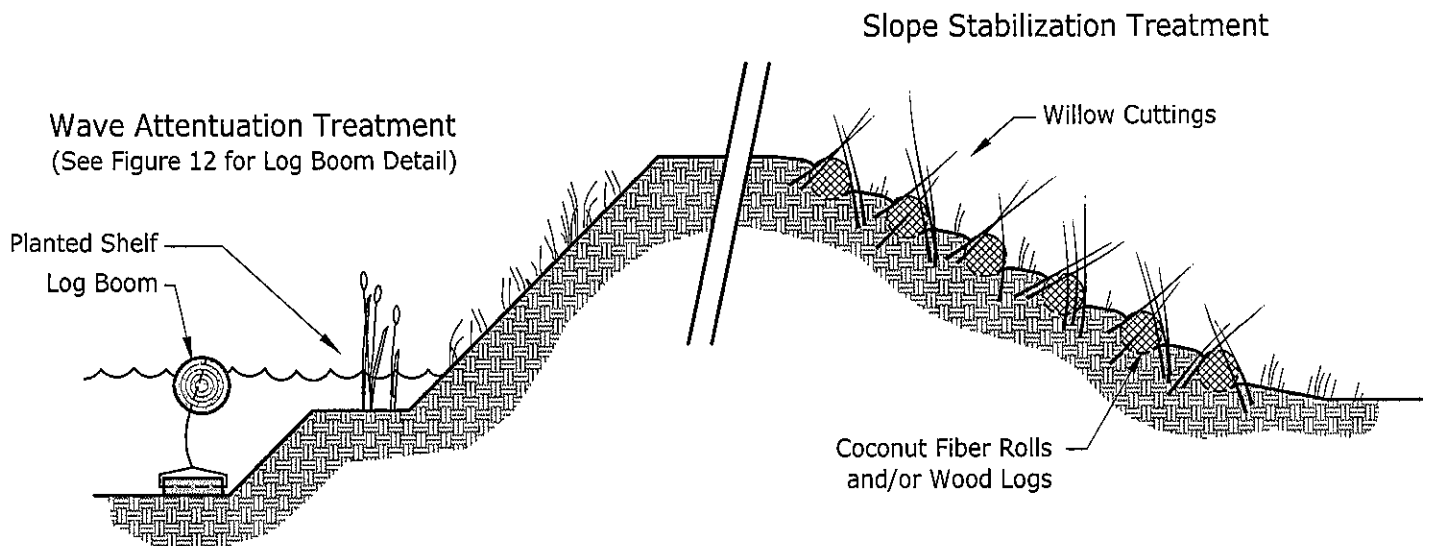


Figure 10b: Typical Levee Repair Cross Section - South and East Levees



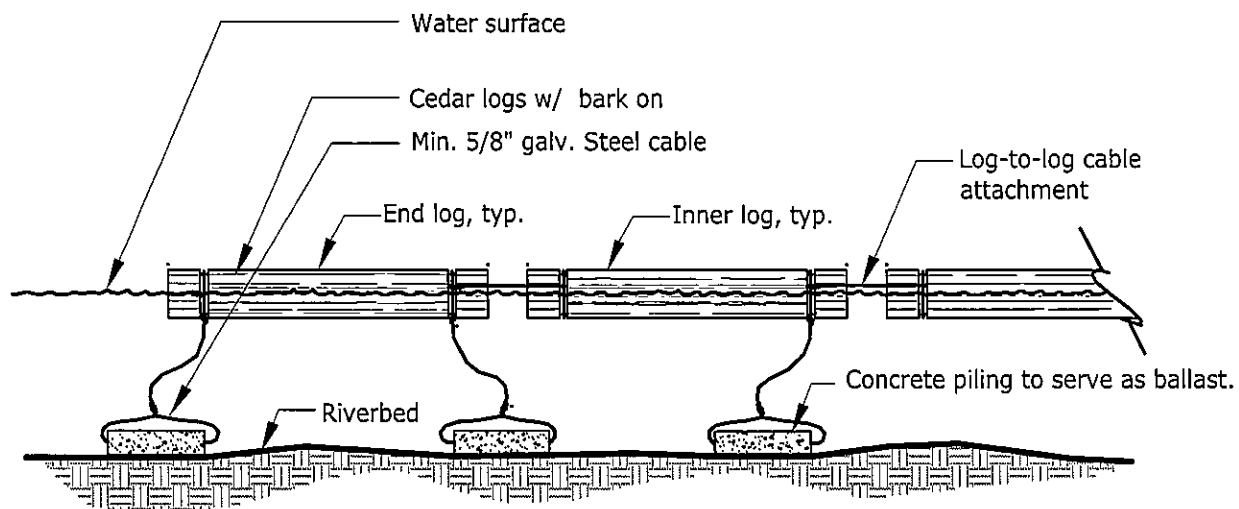


Note: Approximately 10% of west levee to receive wave attenuation treatment, and approximately 20% of west levee to receive slope stabilization treatment at key erosion sites.

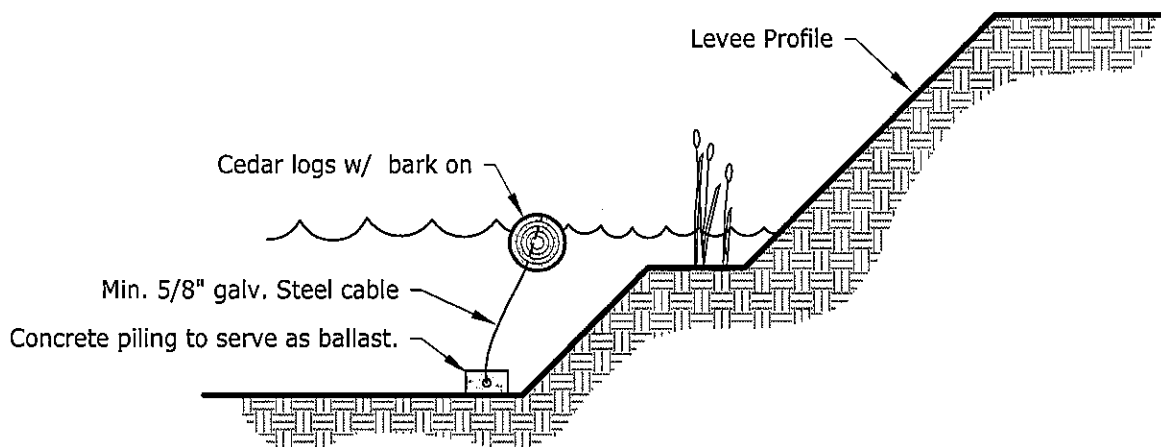
Scale 1/8" = 1' - 0"

0 4' 8' 16'

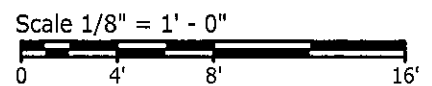


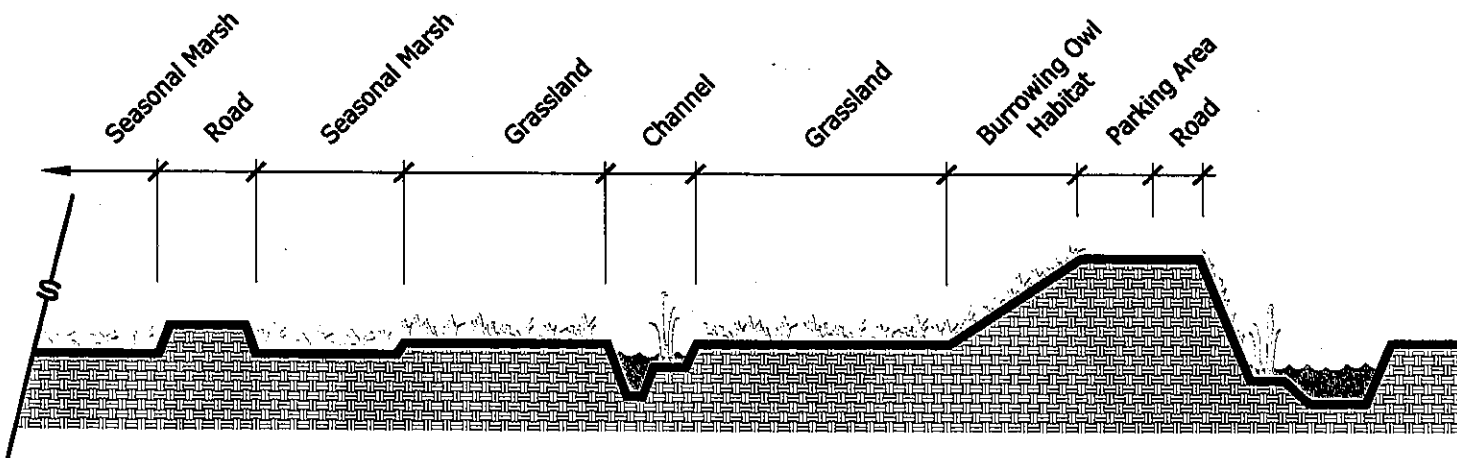
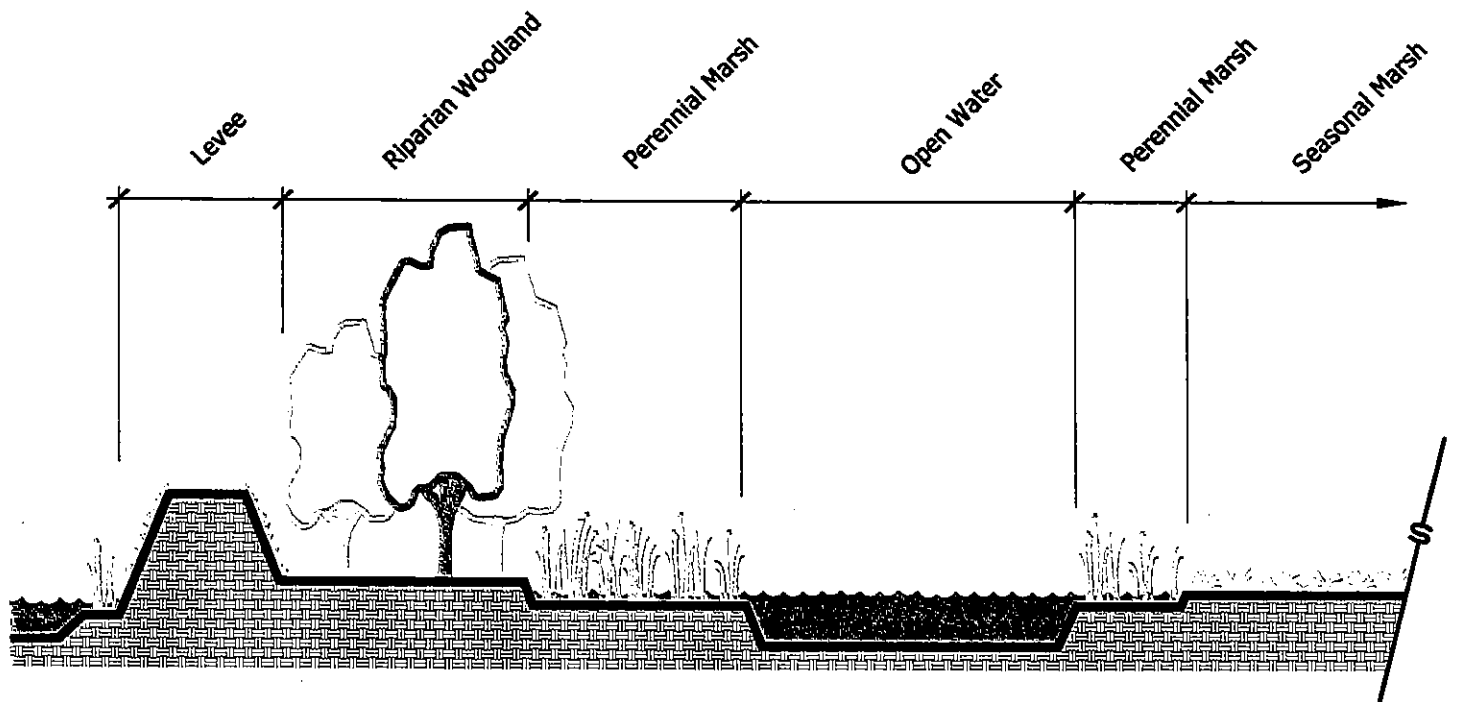


Elevation

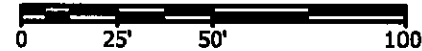


Section

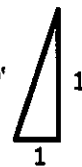


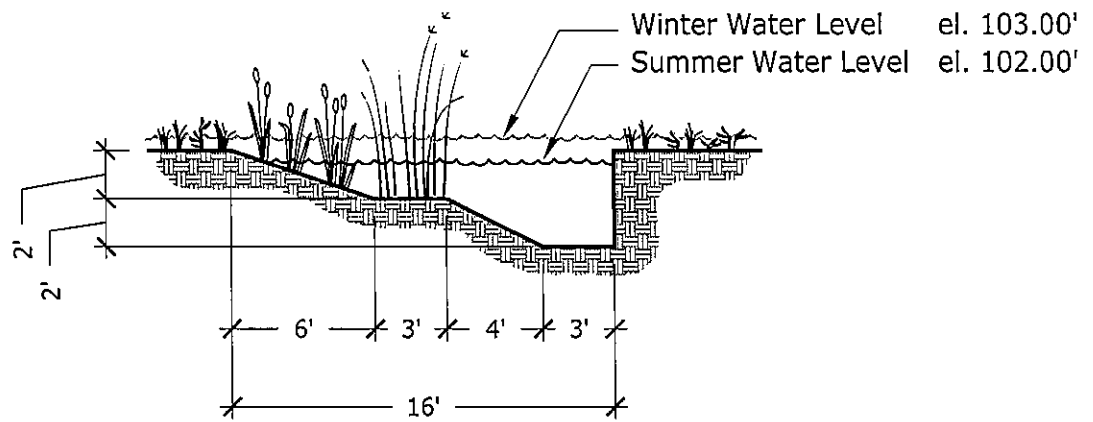


Horizontal Scale 1" = 50'

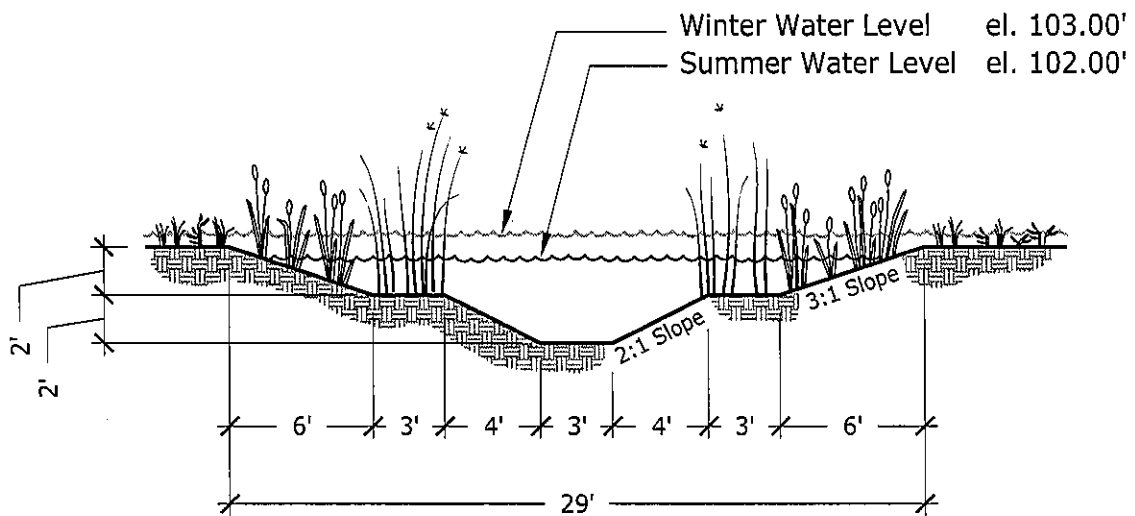


Horizontal to Vertical Ratio = 1:3

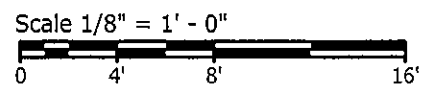




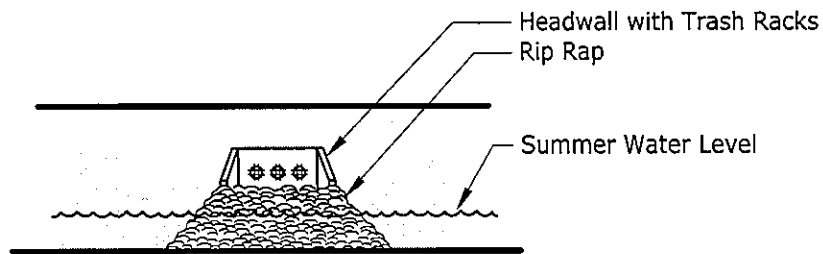
Channel Profile A



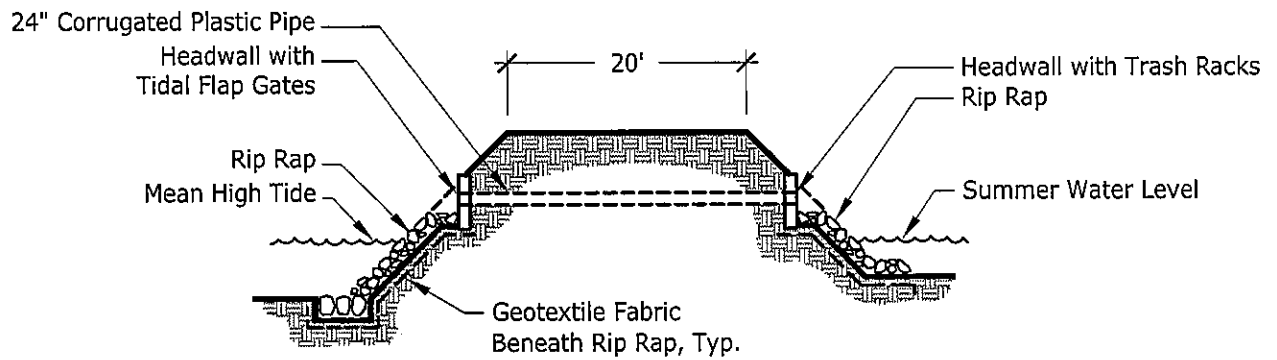
Channel Profile B





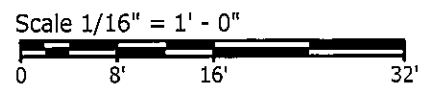


Elevation

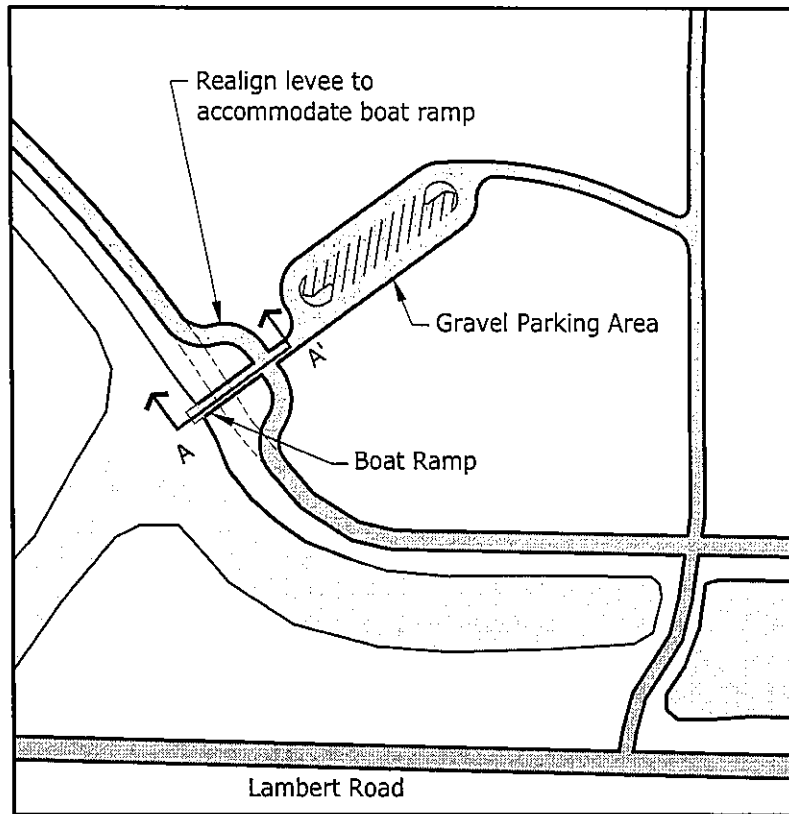


Section

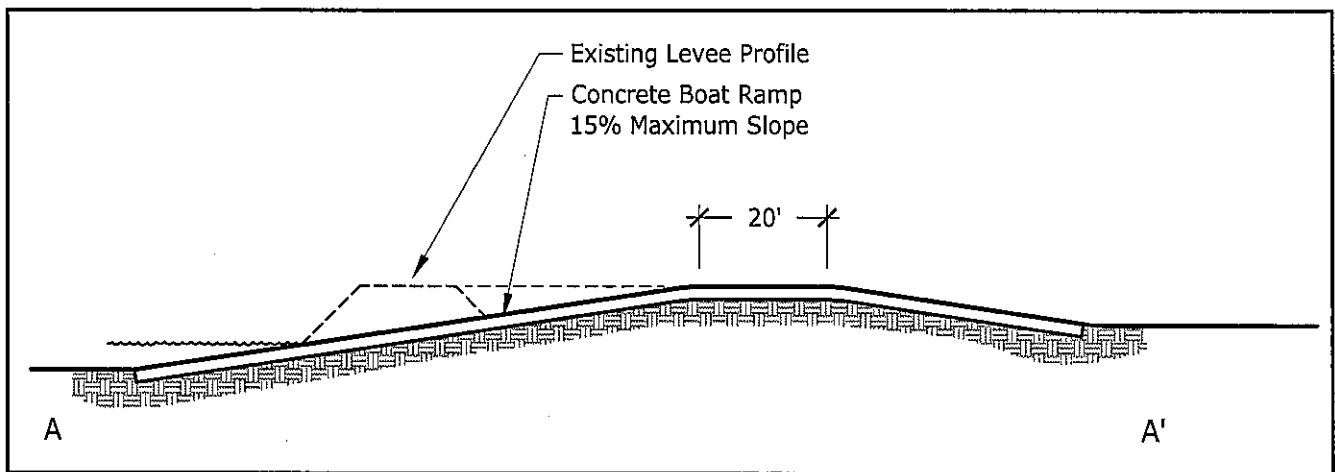
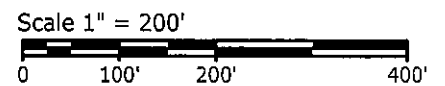
Note: Outflow Structure to be set a range of elevations. (7' 5' & 3')







Plan



Section

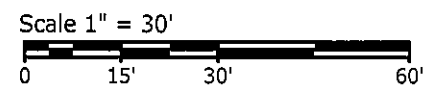


Table 1: Sun River Acreages

<u>Preserved Habitat</u>	<u>Acres</u>
Open Water	76.80
Riparian / Wetland	94.65
<u>Created / Restored Habitat</u>	
Burrowing Owl	14.77
Channel	17.00
Open Water	17.44
Perennial Marsh	77.27
Riparian	15.59
Seasonal Marsh	80.48
Grassland	115.24
Grassland Berm	12.89
VELB	2.18
<u>Other Features</u>	
Parking / Roads / Levees	14.97

Total Length of Levee 20,215 ft

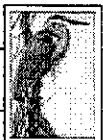


Table 2: Sun River Riparian Habitat Plant Palette

**Elevation 3.5-6.5'**

Botanical Name	Common Name	Container Size	Density (#/arce)
Baccharis viminea	Mule Fat	d-pot	40
Cephalanthus occidentalis	Buttonbush	d-pot	40
Populus fremontii	Fremont Cottonwood	d-pot	90
Salix lasiolepis	Arroyo Willow	d-pot	30
Salix laevigata	Red Willow	d-pot	30
Salix lasiandra	Yellow Willow	d-pot	30
Salix goodingii	Black Willow	d-pot	90
Total			310

**Elevation 6.5-10.0'**

Botanical Name	Common Name	Container Size	Density (#/arce)
Acer negundo	Boxelder	d-pot	35
Baccharis pilularis	Coyote Brush	d-pot	30
Fraxinus latifolia	Oregon Ash	d-pot	35
Juglans hindsii	Black Walnut	d-pot	50
Platanus racemosa	Sycamore	d-pot	50
Quercus lobata	Valley Oak	d-pot	60
Rosa californica	Wild Rose	d-pot	30
Sambucus mexicana	Elderberry	d-pot	30
Vitus californicus	Wild Grape	d-pot	30



Table 3: Native Grass Seeding Mix

Botanical Name	Common Name	Wet Edge lbs / acre	Berm / Levee lbs / acre	Grassland lbs / acre
Achillea millefolium	Yarrow	0	1	0
Carex barbarae	Santa Barbara Sedge	0.5	0	0
Deschampsia caespitosa	Hairgrass	3	0	0
Eleocharis	Spike Rush	0.5	0	0
Elymus glaucus	Blue Wildrye	0	4	5
Elymus trachycaulus	Slender Wheatgrass	0	4	5
Eschscholtzia californica	California Poppy	0	1	0
Grindelia	Gumweed	0	1	1
Hordeum brachyantherum	Meadow Barley	6	0	5
Hordeum californica	California Barley	0	0	0
Leymus triticoides	Creeping Wildrye	2	4	4
Lupinus succeulentus	Lupine	0	1	0
Nassella pulchra	Purple Needlegrass	0	4	0
Total		12	20	20





**Sun River Calfed Grant Application Budget Allocation**  
05/13/2000

	Task Description	SVL	FWS-USGS BS	FWS Refuge	CWA	ALC	Wildlands	Total
Permitting & Design	Final hydrologic and topographic analysis			-			\$23,633	\$23,633
	Final grading, construction, and planting plans			-	\$5,000		\$28,612	\$28,612
	Final public access and hunting program layout			-	\$18,000		\$5,264	\$23,264
	Final environmental clearances (404, cultural, CEQA, etc)			-			\$15,044	\$15,044
Performance and Labor and Materials Bond		\$50,000						\$50,000
Construction	Demolition and site clearing	\$28,087					\$2,848	\$30,935
	Layout and staking						\$25,334	\$25,334
	Earthwork: Excavation and grading	\$707,279					\$19,346	\$726,625
	Water control: Overflow weirs (5 each)	\$159,099					\$5,072	\$164,171
	Water control: Outflow structures (3 each)	\$77,448					\$7,891	\$85,337
	Water control: Lift pump repair (3 each)	\$16,245					\$1,641	\$17,886
	Levee protection: Log booms (220 lin ft)	\$14,855					\$1,468	\$16,323
	Levee protection: Bio-technical log & cutting structures	\$19,181					\$1,938	\$21,119
	Levee protection: Erosion control seeding	\$11,252					\$1,139	\$12,391
	Habitat structures (burrowing owl dens etc)	\$9,554					\$953	\$10,507
	Plant installation: Riparian habitat	\$105,443					\$6,845	\$113,288
	Plant installation: Veb habitat	\$10,521					\$1,068	\$11,589
	Plant installation: Seasonal & Perennial marsh habitat	\$95,225					\$6,656	\$102,881
	Plant installation: Native grassland seedlings	\$87,167					\$3,016	\$90,183
	as-built construction drawings						\$16,509	\$16,509
	Admin and management					\$15,000	\$21,188	\$36,188
Public access features	gravel roads	\$35,531					\$1,564	\$37,095
	gravel parking lots	\$67,962					\$2,743	\$70,405
	boat ramp	\$24,481					\$2,134	\$26,615
	public hunting facilities (youth and ADA access)	\$16,647			\$4,500		\$2,643	\$23,790
Year 1 maintenance and monitoring	vegetation, herbivore, and water management	\$155,925					\$24,997	\$180,922
	vegetation monitoring						\$26,112	\$26,112
	terrestrial wildlife monitoring						\$27,709	\$27,709
	aquatic wildlife monitoring (fish and ggs)		\$45,200				\$17,312	\$62,512
	hydrologic monitoring						\$9,324	\$9,324
	Admin and management					\$15,000	\$8,781	\$23,781
Year 2 maintenance and monitoring	vegetation, herbivore, and water management	\$103,991					\$18,997	\$122,988
	vegetation monitoring						\$26,112	\$26,112
	terrestrial wildlife monitoring						\$27,709	\$27,709
	aquatic wildlife monitoring (fish and ggs)		\$45,200				\$16,112	\$61,312
	hydrologic monitoring						\$9,324	\$9,324
	Admin and management					\$15,000	\$8,781	\$23,781
Year 3 maintenance and monitoring	vegetation, herbivore, and water management						\$18,997	\$18,997
	vegetation monitoring						\$26,112	\$26,112
	terrestrial wildlife monitoring						\$27,709	\$27,709
	aquatic wildlife monitoring (fish and ggs)		\$45,200				\$16,112	\$61,312
	hydrologic monitoring						\$9,324	\$9,324
	Admin and management					\$15,000	\$8,781	\$23,781
Year 4 maintenance and monitoring	vegetation, herbivore, and water management						\$18,997	\$18,997
	vegetation monitoring						\$26,112	\$26,112
	terrestrial wildlife monitoring						\$27,709	\$27,709
	aquatic wildlife monitoring (fish and ggs)		\$45,200				\$16,112	\$61,312
	hydrologic monitoring						\$9,324	\$9,324
	Admin and management					\$15,000	\$8,781	\$23,781
Year 5 maintenance and monitoring	vegetation, herbivore, and water management						\$18,997	\$18,997
	vegetation monitoring						\$26,112	\$26,112
	terrestrial wildlife monitoring						\$27,709	\$27,709
	aquatic wildlife monitoring (fish and ggs)		\$45,200				\$16,112	\$61,312
	hydrologic monitoring						\$9,324	\$9,324
	Admin and management					\$15,000	\$8,781	\$23,781
TOTAL (year 2000 \$)		\$1,797,590	\$226,000	\$0	\$27,500	\$90,000	\$741,476	\$2,882,566
	year 2001 cost multiplier (3%)	\$46,130.21	\$0	\$0	\$825	\$450	\$5,986	\$53,392
	year 2002 cost multiplier (6%)	\$9,356	\$2,712	\$0	\$0	\$900	\$6,854	\$19,822
	year 2003 cost multiplier (9%)	\$9,359	\$4,068	\$0	\$0	\$1,350	\$9,633	\$24,410
	year 2004 cost multiplier (12%)	\$0	\$5,424	\$0	\$0	\$1,800	\$12,790	\$20,014
	year 2005 cost multiplier (15%)	\$0	\$6,780	\$0	\$0	\$2,250	\$16,055	\$25,085
	year 2006 cost multiplier (18%)	\$0	\$8,136	\$0	\$0	\$2,700	\$19,266	\$30,102
	Total cost	\$1,862,434	\$232,780	\$0	\$28,325	\$92,700	\$763,950	\$3,055,391

**TOTAL Request for Funds** (excludes in-kind services, public access features, and year 3 - 5 monitoring & management)

**\$2,223,404**

\* in-kind services provided by USFWS Refuge, (see text)

**WILDLANDS INC. BUDGET SUMMARY  
SUN RIVER CALFED GRANT APPLICATION**

Year	Task	Direct Labor Hours					Direct Labor Cost	Benefits 30%	Travel	Supplies	Service Contracts	Sub Total	Overhead 40%	Equipment	Total Cost
		Clerical	Junior Staff	Mid-level Technical Staff	Senior Staff	Executive Staff								(Exempt from Overhead)	
	Direct Hourly Rate	\$ 16	\$ 18	\$ 26	\$ 37	\$ 57									
YEAR 1	TASK 1														
	PERMITTING AND DESIGN														
	Subtask 1a														
	Final hydrologic and topographic analysis	12	300	80	60	32	\$ 11,716	\$ 3,515	\$ 450	\$ 1,200		\$ 16,881	\$ 6,752		\$ 23,633
	Subtask 1b														
	Final grading, construction, and planting plans	16	240	160	68	24	\$ 12,620	\$ 3,786	\$ 120	\$ 340		\$ 16,866	\$ 6,746		\$ 23,612
	Subtask 1c														
	Final public access and hunting program layout	4		36	24	16	\$ 2,800	\$ 840		\$ 120		\$ 3,760	\$ 1,504		\$ 5,264
	Subtask 1d														
	Final environmental clearances (404, cultural, CEQA, etc)	64		64	120	12	\$ 7,812	\$ 2,344	\$ 140	\$ 450		\$ 10,746	\$ 4,298		\$ 15,044
	TASK 2														
	CONSTRUCTION														
	Subtask 2a														
	Demolition and site clearing	1	20	20	6	5	\$ 1,403	\$ 421	\$ 75	\$ 100		\$ 1,999	\$ 800	\$ 50	\$ 2,848
	Subtask 2b														
	Layout and staking		160	80	48	12	\$ 7,420	\$ 2,226	\$ 450	\$ 8,000		\$ 18,096	\$ 7,238		\$ 25,334
	Subtask 2c														
	Earthwork: Excavation and grading	24	160	80	64	24	\$ 9,080	\$ 2,724	\$ 300	\$ 1,000		\$ 13,104	\$ 5,242	\$ 1,000	\$ 19,346
	Subtask 2d														
	Water control: Overflow weirs (5 each)	10	32	24	18	8	\$ 2,482	\$ 745	\$ 125	\$ 200		\$ 3,552	\$ 1,421	\$ 100	\$ 5,072
	Subtask 2e														
	Water control: Outflow structures (3 each)	3	50	50	27	17	\$ 4,216	\$ 1,265	\$ 70	\$ 50		\$ 5,601	\$ 2,240	\$ 50	\$ 7,891
	Subtask 2f														
	Water control: Lift pump repair (3 each)		13	13	3	2	\$ 797	\$ 239	\$ 50	\$ 50		\$ 1,136	\$ 454	\$ 50	\$ 1,641
	Subtask 2g														
	Levee protection: Log booms (220 lin ft)		10	10	4	2	\$ 702	\$ 211	\$ 50	\$ 50		\$ 1,013	\$ 405	\$ 50	\$ 1,468
	Subtask 2h														
	Levee protection: Bio-technical log & cutting structures		15	15	4	2	\$ 922	\$ 277	\$ 75	\$ 75		\$ 1,349	\$ 539	\$ 50	\$ 1,938
	Subtask 2i														
	Levee protection: Erosion control seeding		9	9	2	1	\$ 527	\$ 158	\$ 50	\$ 50		\$ 785	\$ 314	\$ 40	\$ 1,139
	Subtask 2j														
	Habitat structures (burrowing owl dens ect)		6	6	1		\$ 301	\$ 90	\$ 75	\$ 200		\$ 666	\$ 267	\$ 20	\$ 953

## WILDLANDS INC. BUDGET SUMMARY

[illegible]



[illegible]

**WILDLANDS INC. BUDGET SUMMARY  
SUN RIVER CALFED GRANT APPLICATION**

Year	Task	Direct Labor Hours					Direct Labor Cost	Benefits 30%	Travel	Supplies	Service Contracts	Sub Total	Overhead 40%	Equipment	Total Cost
		Clerical	Junior Technical Staff	Mid-level Technical Staff	Senior Staff	Executive Staff								(Exempt from Overhead)	
	Admin and management	96			48	24	\$ 4,680	\$ 1,404		\$ 188		\$ 6,272	\$ 2,509		\$ 8,781
YEAR 3	TASK 7														
	MAINTENANCE AND MONITORING														
	Subtask 7a														
	Vegetation, herbivore, and water management	48	224	88	18	12	\$ 8,438	\$ 2,531	\$ 2,400	\$ 200		\$ 13,569	\$ 5,428		\$ 18,997
	Subtask 7b														
	Vegetation monitoring	62	220	180	64	32	\$ 13,824	\$ 4,147	\$ 360	\$ 320		\$ 18,651	\$ 7,460		\$ 26,112
	Subtask 7c														
	Terrestrial wildlife monitoring	12		268	192	12	\$ 14,948	\$ 4,484	\$ 360			\$ 19,792	\$ 7,917		\$ 27,709
	Subtask 7d														
	Aquatic wildlife monitoring (fish and ggs)	32	88	88	64	32	\$ 8,576	\$ 2,573	\$ 360			\$ 11,509	\$ 4,604		\$ 16,112
	Subtask 7e														
	Hydrologic monitoring		96	32	32	8	\$ 4,200	\$ 1,260		\$ 1,200		\$ 6,660	\$ 2,664		\$ 9,324
	Subtask 7f														
	Admin and management	96			48	24	\$ 4,680	\$ 1,404		\$ 188		\$ 6,272	\$ 2,509		\$ 8,781
YEAR 6	TASK 8														
	MAINTENANCE AND MONITORING														
	Subtask 8a														
	Vegetation, herbivore, and water management	48	224	88	18	12	\$ 8,438	\$ 2,531	\$ 2,400	\$ 200		\$ 13,569	\$ 5,428		\$ 18,997
	Subtask 8b														
	Vegetation monitoring	62	220	180	64	32	\$ 13,824	\$ 4,147	\$ 360	\$ 320		\$ 18,651	\$ 7,460		\$ 26,112
	Subtask 8c														
	Terrestrial wildlife monitoring	12		268	192	12	\$ 14,948	\$ 4,484	\$ 360			\$ 19,792	\$ 7,917		\$ 27,709
	Subtask 8d														
	Aquatic wildlife monitoring (fish and ggs)	32	88	88	64	32	\$ 8,576	\$ 2,573	\$ 360			\$ 11,509	\$ 4,604		\$ 16,112
	Subtask 8e														
	Hydrologic monitoring		96	32	32	8	\$ 4,200	\$ 1,260		\$ 1,200		\$ 6,660	\$ 2,664		\$ 9,324
	Subtask 8f														
	Admin and management	96			48	24	\$ 4,680	\$ 1,404		\$ 188		\$ 6,272	\$ 2,509		\$ 8,781
	Totals	1526	4564	4096	2792	872	\$ 366,072	\$ 109,822	\$ 21,135	\$ 16,560	\$ 8,600	\$ 522,189	\$ 208,875	\$ 10,413	\$ 741,477

Note: Service contracts include: CWA, USFWS GCS surveys, USGS biological services, and GCS surveys.

## Sierra View Landscape, Inc

PHONE: 916-344-4943

FAX: 916-344-4704

Page No. 1 of 20 Pages

CLIENT NAME	Wildlands, Inc.		SOLICITATION #	
JOB NAME	Sun River Habitat Restoration Project		BID DUE:	
JOB LOCATION	North of Lambert Road at Snodgrass Slough			
CITY, COUNTY, STATE	Sacramento County, CA			
CONTACT	Greg Sutter	PHONE	(916) 331-8810	
FAX	(916) 331-8755	MOBILE		
BID ITEM	Demolition and Site Clearing		\$28,086.75	
TASK DESCRIPTION	Remove debris, corrals, fencing, etc. Clean-up existing building for use as temporary construction office. Haul debris to landfill, burn existing dangerous duck blinds and walkways.			
		QUANT.	UNIT	PRICE
	Total cost for the bid item	1	ls	\$28,086.75
<b>LABOR</b>				
	Superintendent	5	dy	\$256.00
	Biologist	5	dy	\$225.00
	Foreman	10	dy	\$160.00
	Laborers (6 persons)	10	dy	\$720.00
		0		\$0.00
		0		\$0.00
		0		\$0.00
		0		\$0.00
<b>EQUIPMENT</b>				
	SVL Truck	25	dy	\$100.00
	SVL Dump Truck	10	dy	\$150.00
	SVL Bobcat	4	dy	\$300.00
	SVL Tractor with trailer	10	dy	\$175.00
		0		\$0.00
		0		\$0.00
		0		\$0.00
		0		\$0.00
		0		\$0.00
		0		\$0.00
		0		\$0.00
<b>MATERIALS</b>				
	Fuel	1	ls	\$100.00
	Misc lumber and electrical supplies	1	ls	\$500.00
		0		\$0.00
		0		\$0.00
		0		\$0.00
		0		\$0.00
		0		\$0.00
<b>SUB-CONTRACT</b>				
	40 cy drop box	2	ea	\$550.00
	Dump fees	10	ea	\$95.00
	sub-total			\$20,805.00
	Contingency	10	%	sub-total
	OVERHEAD	25	%	sub-total
				\$5,201.25
ESTIMATED BY:		DATE		
CHECKED BY:		ESTIMATED COST		
		\$28,086.75		
		BID PRICE		

## Sierra View Landscape, Inc

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Page No. 2 of 20 Pages

CLIENT NAME	Wildlands, Inc.		SOLICITATION #	
JOB NAME	Sun River Habitat Restoration Project BID DUE:			
JOB LOCATION	North of Lambert Road at Snodgrass Slough			
CITY, COUNTY, STATE	Sacramento County, CA			
CONTACT	Greg Sutter	PHONE	(916) 331-8810	
FAX	(916) 331-8755	MOBILE		
BID ITEM	Earthwork: Excavation and Grading \$707,278.50			
TASK DESCRIPTION	Excavate approximately 429,190 cu yds of soil and place as indicated on restoration plan. Earthwork includes all created habitat types plus roads, parking lots, and levee repair.			
		QUANT.	UNIT	PRICE
	Total cost for the bid item	1	ls	\$707,278.50
<b>LABOR</b>				
	Principal in charge	2	wk	\$2,250.00
	Superintendent	10	wk	\$1,280.00
	Equipment Operators (6 persons)	12	wk	\$5,400.00
	Grade Setters (2 biologist/grade setters)	12	wk	\$1,300.00
	Laborers (2 persons)	12	wk	\$1,200.00
		0		\$0.00
		0		\$0.00
		0		\$0.00
<b>EQUIPMENT</b>				
	623 Scraper (3 ea)	3.5	mo	\$36,000.00
	Motor Grader	3	mo	\$6,500.00
	54 inch Compactor	3	mo	\$2,600.00
	Dozer Cat D6H	3	mo	\$7,200.00
	Water Tower	3	mo	\$900.00
	SVL Grading tractor	3	mo	\$2,640.00
	SVL Water truck	3	mo	\$2,800.00
	Rental Water Truck	3	mo	\$3,000.00
	SVL Heavy Trucks (2 ea)	60	dy	\$200.00
	Move-in/out	16	ea	\$190.00
	SVL Bobcat	3	mo	\$3,500.00
<b>MATERIALS</b>				
	Fuel 520 gal per day	31200	gal	\$1.85
	Storage container	3	mo	\$120.00
	Portable toilet	3	mo	\$90.00
	Lathe/paint/flagging	1	ls	\$1,200.00
	Lazer	3	mo	\$450.00
	36" ADS double wall culvert	150	lf	\$15.00
	Tuff Shed-Haz Mat Storage	1	ls	\$1,200.00
<b>SUB-CONTRACT</b>				
	Glissman Excavating: dozer, backhoe, mini-ex	3.5	mo	\$10,000.00
	Brad Dales Excavating: extra large excavator	3.5	mo	\$24,000.00
	<b>sub-total</b>			\$523,910.00
	<b>Contingency</b>	10	%	sub-total
	<b>OVERHEAD</b>	25	%	sub-total
				\$130,977.50
ESTIMATED BY:		DATE		ESTIMATED COST
CHECKED BY:				\$707,278.50
				BID PRICE

## Sierra View Landscape, Inc

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Page No. 3 of 20 Pages

CLIENT NAME		Wildlands, Inc.		SOLICITATION #		
JOB NAME		Sun River Habitat Restoration Project		BID DUE:		
JOB LOCATION		North of Lambert Road at Snodgrass Slough				
CITY, COUNTY, STATE		Sacramento County, CA				
CONTACT		Greg Sutter		PHONE (916) 331-8810		
FAX		(916) 331-8755		MOBILE		
BID ITEM		Water Control: Overflow Weirs (5 each)		\$159,098.85		
TASK DESCRIPTION		Construct 22 feet wide by 50 feet long by 6 inch thick reinforced concrete overflow weir at the prescribed elevation. Rip rap over fabric aprons will be constructed on both sides of levee.				
		QUANT.	UNIT	PRICE	EXTENSION	
Total cost for the bid item		5	ea	\$31,819.77	\$159,098.85	
<b>LABOR</b>						
Foremen/Operator		5	dy	\$180.00	\$900.00	
Laborer & Technicians		5	dy	\$300.00	\$1,500.00	
Superintendent		2	dy	\$256.00	\$512.00	
Grade Setter		2	dy	\$130.00	\$260.00	
		0		\$0.00	\$0.00	
		0		\$0.00	\$0.00	
		0		\$0.00	\$0.00	
		0		\$0.00	\$0.00	
<b>EQUIPMENT</b>						
SVL Grading tractor		5	dy	\$220.00	\$1,100.00	
SVL Water Truck		2	dy	\$220.00	\$440.00	
SVL Bobcat		5	dy	\$300.00	\$1,500.00	
SVL Truck		5	dy	\$500.00	\$2,500.00	
		0		\$0.00	\$0.00	
		0		\$0.00	\$0.00	
		0		\$0.00	\$0.00	
		0		\$0.00	\$0.00	
		0		\$0.00	\$0.00	
		0		\$0.00	\$0.00	
<b>MATERIALS</b>						
Forming materials		1	ls	\$300.00	\$300.00	
Rebar		1220	lf	\$0.18	\$219.60	
Concrete		27	yd	\$78.00	\$2,106.00	
Fabric Marafi 500		8640	sf	\$0.09	\$777.60	
Rip rap and trucking		680	ton	\$14.00	\$9,520.00	
Fuel		180	gal	\$1.75	\$315.00	
		0		\$0.00	\$0.00	
<b>SUB-CONTRACT</b>						
Glissman Excavating: Backhoe & Dozer		3	dy	\$540.00	\$1,620.00	
				\$0.00	\$0.00	
		<b>sub-total</b>			\$23,570.20	
		<b>Contingency</b>	10	%	sub-total	\$2,357.02
		<b>OVERHEAD</b>	25	%	sub-total	\$5,892.55
ESTIMATED BY:				<b>DATE</b>		
CHECKED BY:				ESTIMATED COST		
				\$31,819.77		
				BID PRICE		

## Sierra View Landscape, Inc

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FAX: 916-344-4704

Page No. 4 of 20 Pages

CLIENT NAME		Wildlands, Inc.		SOLICITATION #		
JOB NAME		Sun River Habitat Restoration Project		BID DUE:		
JOB LOCATION		North of Lambert Road at Snodgrass Slough				
CITY, COUNTY, STATE		Sacramento County, CA				
CONTACT		Greg Sutter		PHONE	(916) 331-8810	
FAX		(916) 331-8755		MOBILE		
BID ITEM		Water Control: Outflow Structures (3 each) \$77,446.13				
TASK DESCRIPTION		Construct water outflow structure through the levee at prescribed elevations consisting of three 24" plastic pipes extending through the levee set in concrete headwalls and fitted with tidal gates on the outboard side and trash racks on the inside.				
		QUANT.	UNIT	PRICE	EXTENSION	
Total cost for the bid item		3	ea	\$25,815.38	\$77,446.13	
<b>LABOR</b>						
Superintendent		2	dy	\$256.00	\$512.00	
Foreman		5	dy	\$180.00	\$900.00	
Technicians (2 persons)		5	dy	\$324.00	\$1,620.00	
Grade Setter / Biologist		5	dy	\$140.00	\$700.00	
		0		\$0.00	\$0.00	
		0		\$0.00	\$0.00	
		0		\$0.00	\$0.00	
		0		\$0.00	\$0.00	
<b>EQUIPMENT</b>						
Compaction Wheel		5	dy	\$25.00	\$125.00	
SVL Bobcat		5	dy	\$300.00	\$1,500.00	
Lazer Level		5	dy	\$25.00	\$125.00	
SVL Truck		5	dy	\$100.00	\$500.00	
Generator		3	dy	\$35.00	\$105.00	
Pump		3	dy	\$40.00	\$120.00	
		0		\$0.00	\$0.00	
<b>MATERIALS</b>						
24" ads pipe		150	lf	\$12.75	\$1,912.50	
24" trash rack enclosures		3	ea	\$500.00	\$1,500.00	
24" tidal gates		3	ea	\$850.00	\$2,550.00	
Concrete headwall and footing		4	yd	\$98.00	\$392.00	
Rebar		200	lf	\$0.18	\$36.00	
Forming materials		1	ls	\$380.00	\$380.00	
Installation Hardware		1	ls	\$300.00	\$300.00	
Fuel		140	gal	\$1.75	\$245.00	
Rock rip rap		40	cy	\$65.00	\$2,600.00	
Erosion Control fabric		60	sy	\$5.00	\$300.00	
		0		\$0.00	\$0.00	
<b>SUB-CONTRACT</b>						
Glissman Excavating: Backhoe		5	dy	\$540.00	\$2,700.00	
		0		\$0.00	\$0.00	
		sub-total			\$19,122.50	
		Contingency	10	%	sub-total	\$1,912.25
		OVERHEAD	25	%	sub-total	\$4,780.63
		DATE				
ESTIMATED BY:				ESTIMATED COST		
CHECKED BY:				\$25,815.38		
				BID PRICE		

## Sierra View Landscape, Inc

PHONE: 916-344-4943

FAX: 916-344-4704

Page No. 5 of 28 Pages

CLIENT NAME		Wildlands, Inc.		SOLICITATION #		
JOB NAME		Sun River Habitat Restoration Project BID DUE:				
JOB LOCATION		North of Lambert Road at Snodgrass Slough				
CITY, COUNTY, STATE		Sacramento County, CA				
CONTACT		Greg Sutter		PHONE	(916) 331-8810	
FAX		(916) 331-8755		MOBILE		
BID ITEM		Water Control: Lift Pump Repair (3 each)		\$16,244.55		
TASK DESCRIPTION		Bring existing lift pumps up to current safety standards and repair or replace any worn parts necessary to make them fully operational.				
		QUANT.	UNIT	PRICE	EXTENSION	
Total cost for the bid item		3	ea	\$5,414.85	\$16,244.55	
<b>LABOR</b>						
Superintendent		1	dy	\$256.00	\$256.00	
Irrigation Specialist / Supervisor		2	dy	\$240.00	\$480.00	
		0		\$0.00	\$0.00	
		0		\$0.00	\$0.00	
		0		\$0.00	\$0.00	
		0		\$0.00	\$0.00	
		0		\$0.00	\$0.00	
		0		\$0.00	\$0.00	
<b>EQUIPMENT</b>						
SVL Truck		2	dy	\$100.00	\$200.00	
SVL Bobcat w/ auger		1	dy	\$300.00	\$300.00	
		0		\$0.00	\$0.00	
		0		\$0.00	\$0.00	
		0		\$0.00	\$0.00	
		0		\$0.00	\$0.00	
		0		\$0.00	\$0.00	
		0		\$0.00	\$0.00	
		0		\$0.00	\$0.00	
		0		\$0.00	\$0.00	
<b>MATERIALS</b>						
Power Pole		1	ea	\$240.00	\$240.00	
Aggregate base rock		1	cy	\$35.00	\$35.00	
		0		\$0.00	\$0.00	
		0		\$0.00	\$0.00	
		0		\$0.00	\$0.00	
		0		\$0.00	\$0.00	
		0		\$0.00	\$0.00	
<b>SUB-CONTRACT</b>						
O'dells Pump & Motor Service		1	ea	\$2,500.00	\$2,500.00	
		0		\$0.00	\$0.00	
		<b>sub-total</b>			\$4,011.00	
		<b>Contingency</b>	10	%	sub-total	\$401.10
		<b>OVERHEAD</b>	25	%	sub-total	\$1,002.75
		<b>DATE</b>				
ESTIMATED BY:				ESTIMATED COST		
CHECKED BY:				\$5,414.85		
				BID PRICE		

## Sierra View Landscape, Inc

PHONE: 916-344-4943

FAX: 916-344-4704

Page No. 6 of 20 Pages

CLIENT NAME Wildlands, Inc.		SOLICITATION #			
JOB NAME Sun River Habitat Restoration Project		BID DUE:			
JOB LOCATION North of Lambert Road at Snodgrass Slough					
CITY, COUNTY, STATE Sacramento County, CA					
CONTACT Greg Sutter		PHONE		(916) 331-8810	
FAX (916) 331-8755		MOBILE			
BID ITEM	Levee Protection: Log Booms (220 lin ft) \$14,855.40				
TASK DESCRIPTION	Construct wave attenuation structures in water adjacent to the outboard side of the west levee in areas exposed to wave erosion. Salvaged logs will be anchored near shore.				
		QUANT.	UNIT	PRICE	EXTENSION
Total cost for the bid item		1	ls	\$14,855.40	\$14,855.40
<b>LABOR</b>					
	Superintendent	4	dy	\$256.00	\$1,024.00
	Foreman / Operator	4	dy	\$180.00	\$720.00
	Laborers (4 persons)	4	dy	\$480.00	\$1,920.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
<b>EQUIPMENT</b>					
	SVL trucks (2 ea)	5	dy	\$200.00	\$1,000.00
	SVL dump truck	3	dy	\$150.00	\$450.00
	SVL tractor	3	dy	\$220.00	\$660.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
<b>MATERIALS</b>					
	Anchor chain	1	ls	\$900.00	\$900.00
	Concrete anchors	1	ls	\$650.00	\$650.00
	Logs to salvaged on site	0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
<b>SUB-CONTRACT</b>					
	Glissman Excavating: Dozer	2	dy	\$540.00	\$1,080.00
	Brad Dales Excavating: Large excavator	2	dy	\$1,300.00	\$2,600.00
		<b>sub-total</b>		\$11,004.00	
		<b>Contingency</b>	10	%	sub-total
		<b>OVERHEAD</b>	25	%	sub-total
				\$2,751.00	
		<b>DATE</b>			
ESTIMATED BY:				ESTIMATED COST	\$14,855.40
CHECKED BY:				BID PRICE	



## Sierra View Landscape, Inc

PHONE: 916-344-4943

FAX: 916-344-4704

Page No. 7 of 20 Pages

CLIENT NAME		Wildlands, Inc.		SOLICITATION #	
JOB NAME		Sun River Habitat Restoration Project		BID DUE:	
JOB LOCATION		North of Lambert Road at Snodgrass Slough			
CITY, COUNTY, STATE		Sacramento County, CA			
CONTACT		Greg Sutter		PHONE (916) 331-8810	
FAX		(916) 331-8755		MOBILE	
BID ITEM		Levee Protection: Bio-technical log & cutting structures \$19,180.80			
TASK DESCRIPTION		Construct levee bank protection with salvaged logs and live willow and cottonwood cuttings in areas on the inside of the west levee subject to wave erosion when the site is flooded.			
		QUANT.	UNIT	PRICE	EXTENSION
Total cost for the bid item		1	ls	\$19,180.80	\$19,180.80
<b>LABOR</b>					
Superintendent		3	dy	\$256.00	\$768.00
Foreman / Operator		6	dy	\$180.00	\$1,080.00
Laborers (4 persons)		6	dy	\$480.00	\$2,880.00
Grade Setter / Biologist		6	dy	\$140.00	\$840.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
<b>EQUIPMENT</b>					
SVL tractor		6	dy	\$220.00	\$1,320.00
SVL Bobcat		4	dy	\$300.00	\$1,200.00
SVL trucks (2 ea)		6	dy	\$200.00	\$1,200.00
SVL Dump Truck		3	dy	\$150.00	\$450.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
<b>MATERIALS</b>					
Logs to be salvaged on site		0		\$0.00	\$0.00
Cuttings to be harvested on site		0		\$0.00	\$0.00
Stakes, cable, & misc		1	ls	\$250.00	\$250.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
<b>SUB-CONTRACT</b>					
Glissman Excavating: dozer		3	dys	\$540.00	\$1,620.00
Brad Dales Excavating: large excavator		2	dys	\$1,300.00	\$2,600.00
sub-total					\$14,208.00
Contingency		10	%	sub-total	\$1,420.80
OVERHEAD		25	%	sub-total	\$3,552.00
ESTIMATED BY:		DATE		ESTIMATED COST	
CHECKED BY:				\$19,180.80	
				BID PRICE	

## Sierra View Landscape, Inc

PHONE: 916-344-4943

FAX: 916-344-4704

Page No. 8 of 20 Pages

CLIENT NAME	Wildlands, Inc.	SOLICITATION #	
JOB NAME	Sun River Habitat Restoration Project	BID DUE:	
JOB LOCATION	North of Lambert Road at Snodgrass Slough		
CITY, COUNTY, STATE	Sacramento County, CA		
CONTACT	Greg Sutter	PHONE	(916) 331-8810
FAX	(916) 331-8755	MOBILE	
BID ITEM	Levee Protection: Erosion Control Seeding \$11,251.91		
TASK DESCRIPTION	Provide erosion control seeding for all exposed areas of the reconstructed levees. Compacted soil surface will be scarified, native grass seed will be broadcasted and harrowed in and covered with straw mulch which is to be oversprayed with tackifier.		
	QUANT.	UNIT	PRICE EXTENSION
Total cost for the bid item	1	ls	\$11,251.91 \$11,251.91
<b>LABOR</b>			
Operator	2	dy	\$200.00 \$400.00
Foreman	2	dy	\$175.00 \$350.00
Laborer (3 persons)	2	dy	\$350.00 \$700.00
Biologist	2	dy	\$220.00 \$440.00
	0		\$0.00 \$0.00
	0		\$0.00 \$0.00
	0		\$0.00 \$0.00
	0		\$0.00 \$0.00
<b>EQUIPMENT</b>			
SVL Trucks (2 ea)	2	dy	\$200.00 \$400.00
Tractor	2	dy	\$300.00 \$600.00
Harrows	2	dy	\$50.00 \$100.00
Straw Blower	2	dy	\$200.00 \$400.00
Hydroseeder	2	dy	\$500.00 \$1,000.00
	0		\$0.00 \$0.00
	0		\$0.00 \$0.00
	0		\$0.00 \$0.00
	0		\$0.00 \$0.00
	0		\$0.00 \$0.00
	0		\$0.00 \$0.00
<b>MATERIALS</b>			
Seed (see attached)	1	ls	\$400.00 \$400.00
Straw-2500#/ac	32225	#	\$0.05 \$1,611.25
Mulch/tackifier	12.89	ac	\$150.00 \$1,933.50
	0		\$0.00 \$0.00
	0		\$0.00 \$0.00
	0		\$0.00 \$0.00
	0		\$0.00 \$0.00
<b>SUB-CONTRACT</b>			
	0		\$0.00 \$0.00
	0		\$0.00 \$0.00
sub-total			\$8,334.75
Contingency	10	%	sub-total \$833.48
OVERHEAD	25	%	sub-total \$2,083.69
ESTIMATED BY:		DATE	
CHECKED BY:		ESTIMATED COST	\$11,251.91
		BID PRICE	

## Sierra View Landscape, Inc

PHONE: 916-344-4943

FAX: 916-344-4704

Page No. 9 of 20 Pages

CLIENT NAME		Wildlands, Inc.		SOLICITATION #	
JOB NAME		Sun River Habitat Restoration Project BID DUE:			
JOB LOCATION		North of Lambert Road at Snodgrass Slough			
CITY, COUNTY, STATE		Sacramento County, CA			
CONTACT		Greg Sutter		PHONE	(916) 331-8810
FAX		(916) 331-8755		MOBILE	
BID ITEM	Habitat Structures				\$9,553.95
TASK DESCRIPTION	Construct burrowing owl nest structures (10 ea), wood duck nest boxes (50 ea) and giant garter snake refugia (soil over rock filled basins) (20 ea)				
		QUANT.	UNIT	PRICE	EXTENSION
Total cost for the bid item		1	ls	\$9,553.95	\$9,553.95
<b>LABOR</b>					
	Superintendent	2	dy	\$256.00	\$512.00
	Technician	5	dy	\$140.00	\$700.00
	Shop Foreman	5	dy	\$180.00	\$900.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
<b>EQUIPMENT</b>					
	SVL Truck	5	dy	\$100.00	\$500.00
	SVL Bobcat	3	dy	\$275.00	\$825.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
<b>MATERIALS</b>					
	Redwood and Misc for Duck Boxes	50	ea	\$12.00	\$600.00
	Plastic pipe and misc for owl	10	ea	\$18.00	\$180.00
	Fractured Rock for Snake	20	cy	\$35.00	\$700.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
<b>SUB-CONTRACT</b>					
	Glissman Excavating: Backhoe	4	dy	\$540.00	\$2,160.00
		0		\$0.00	\$0.00
sub-total					\$7,077.00
Contingency		10	%	sub-total	\$707.70
OVERHEAD		25	%	sub-total	\$1,769.25
		DATE			
ESTIMATED BY:				ESTIMATED COST	\$9,553.95
CHECKED BY:				BID PRICE	

## Sierra View Landscape, Inc

PHONE: 916-344-4943

FAX: 916-344-4704

Page No. 10 of 20 Pages

CLIENT NAME	Wildlands, Inc.		SOLICITATION #		
JOB NAME	Sun River Habitat Restoration Project		BID DUE:		
JOB LOCATION	North of Lambert Road at Snodgrass Slough				
CITY, COUNTY, STATE	Sacramento County, CA				
CONTACT	Greg Sutter	PHONE	(916) 331-8810		
FAX	(916) 331-8755	MOBILE			
BID ITEM	Plant Installation: Riparian Habitat				\$106,442.67
TASK DESCRIPTION	Install riparian trees, shrubs, and vines in appropriate micro-site locations at the rate of 350 plants per acre. All woody plants will be fitted with herbivory protection screens, water basins, and straw mulch.				
		QUANT.	UNIT	PRICE	EXTENSION
	Total cost for bid item	15.59	acre	\$6,827.63	\$106,442.67
<b>LABOR</b>					
	Supervisor / Biologist	2	dy	\$220.00	\$440.00
	Foreman	2	dy	\$170.00	\$340.00
	Laborers (4 persons)	2	dy	\$480.00	\$960.00
	Grade setter / Biologist	2	dy	\$140.00	\$280.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
<b>EQUIPMENT</b>					
	SVL trucks (2 ea)	2	dy	\$200.00	\$400.00
	SVL Bobcat	1	dy	\$300.00	\$300.00
	ATV	2	dy	\$75.00	\$150.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
<b>MATERIALS</b>					
	Plants	350	ea	\$3.50	\$1,225.00
	Screens	350	ea	\$1.50	\$525.00
	Fertilizer	350	ea	\$0.25	\$87.50
	Mulch	350	ea	\$1.00	\$350.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
<b>SUB-CONTRACT</b>					
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
	sub-total				\$5,057.50
	Contingency	10	%	sub-total	\$505.75
	OVERHEAD	25	%	sub-total	\$1,264.38
ESTIMATED BY:		DATE	ESTIMATED COST		
CHECKED BY:			BID PRICE		
			\$6,827.63		

**Sierra View Landscape, Inc**

PHONE: 916-344-4943

FAX: 916-344-4704

Page No. 11 of 20 Pages

CLIENT NAME		Widlands, Inc.		SOLICITATION #	
JOB NAME		Sun River Habitat Restoration Project		BID DUE:	
JOB LOCATION		North of Lambert Road at Snodgrass Slough			
CITY, COUNTY, STATE		Sacramento County, CA			
CONTACT		Greg Sutter		PHONE (916) 331-8810	
FAX		(916) 331-8755		MOBILE	
BID ITEM	Plant Installation: VELB Habitat				\$10,521.23
TASK DESCRIPTION	Install elderberry savannah habitat trees and shrubs at the rate of 220 per acre with herbivory protection screens, water retention basins, and mulch.				
		QUANT.	UNIT	PRICE	EXTENSION
Total cost for bid item		2.18	acre	\$4,826.25	\$10,521.23
<b>LABOR</b>					
	Supervisor / Biologist	2	dy	\$220.00	\$440.00
	Foreman	2	dy	\$170.00	\$340.00
	Laborers (3 persons)	2	dy	\$360.00	\$720.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
<b>EQUIPMENT</b>					
	SVL trucks (2 ea)	2	dy	\$200.00	\$400.00
	SVL Bobcat	0.5	dy	\$300.00	\$150.00
	ATV	2	dy	\$75.00	\$150.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
<b>MATERIALS</b>					
	Plants	220	ea	\$3.50	\$770.00
	Screens	220	ea	\$1.50	\$330.00
	Fertilizer	220	ea	\$0.25	\$55.00
	Mulch	220	ea	\$1.00	\$220.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
<b>SUB-CONTRACT</b>					
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
sub-total					\$3,575.00
Contingency		10	%	sub-total	\$357.50
OVERHEAD		25	%	sub-total	\$893.75
ESTIMATED BY:		DATE		ESTIMATED COST	
CHECKED BY:				BID PRICE \$4,826.25	

**Sierra View Landscape, Inc**

PHONE: 916-344-4943

FAX: 916-344-4704

 Page No. 12 of 20 Pages

CLIENT NAME	Wildlands, Inc.		SOLICITATION #	
JOB NAME	Sun River Habitat Restoration Project		BID DUE:	
JOB LOCATION	North of Lambert Road at Snodgrass Slough			
CITY, COUNTY, STATE	Sacramento County, CA			
CONTACT	Greg Sutter	PHONE	(916) 331-8810	
FAX	(916) 331-8755	MOBILE		
BID ITEM	Plant Installation: Seasonal & Perennial Marsh Habitat \$96,225.30			
TASK DESCRIPTION	Install emergent marsh plants from tree-band containers at the rate of 700 per acre at the appropriate elevation (water depth). Plant 20% of the total Seasonal Marsh and Perennial Marsh habitat at this rate.			
		QUANT.	UNIT	PRICE
	Total cost for bid item	31.4	acre	\$3,064.50
<b>LABOR</b>				
	Supervisor / Biologist	1	dy	\$220.00
	Foreman	1	dy	\$170.00
	Laborers (2 persons )	1	dy	\$240.00
	Grade Setter / Biologist	1	dy	\$140.00
		0		\$0.00
		0		\$0.00
		0		\$0.00
		0		\$0.00
<b>EQUIPMENT</b>				
	SVL trucks (2 ea)	1	dy	\$200.00
	ATV	1	dy	\$75.00
		0		\$0.00
		0		\$0.00
		0		\$0.00
		0		\$0.00
		0		\$0.00
		0		\$0.00
		0		\$0.00
		0		\$0.00
		0		\$0.00
<b>MATERIALS</b>				
	Emergent marsh plant plugs (for 1 acre)	700	ea	\$1.75
		0		\$0.00
		0		\$0.00
		0		\$0.00
		0		\$0.00
		0		\$0.00
		0		\$0.00
		0		\$0.00
<b>SUB-CONTRACT</b>				
		0		\$0.00
		0		\$0.00
	sub-total			\$2,270.00
	Contingency	10	%	sub-total
	OVERHEAD	25	%	sub-total
ESTIMATED BY:		DATE		
CHECKED BY:		ESTIMATED COST		\$3,064.50
		BID PRICE		

## Sierra View Landscape, Inc

PHONE: 916-344-4943

FAX: 916-344-4704

Page No. 17 of 20 Pages

CLIENT NAME	Wildlands, Inc.		SOLICITATION #	
JOB NAME	Sun River Habitat Restoration Project		BID DUE:	
JOB LOCATION	North of Lambert Road at Snodgrass Slough			
CITY, COUNTY, STATE	Sacramento County, CA			
CONTACT	Greg Sutter	PHONE	(916) 331-8810	
FAX	(916) 331-8755	MOBILE		
BID ITEM	Plant Installation: Native Grassland Seeding (115.24 acre) \$87,166.80			
TASK DESCRIPTION	Seed the entire grassland areas with native perennial grasses utilizing a specially adapted range drill. Weed management is limited to one herbicide application.			
		QUANT.	UNIT	PRICE
				EXTENSION
Total cost for the bid item		1	ls	\$87,166.80
LABOR				
	Biologist	12	dy	\$220.00
	Operator	12	dy	\$150.00
	Laborer	12	dy	\$115.00
	Certified Pesticide Applicator	6	dy	\$240.00
		0		\$0.00
		0		\$0.00
		0		\$0.00
		0		\$0.00
EQUIPMENT				
	SVL Truck	12	dy	\$100.00
	SVL Tractor	6	dy	\$300.00
	SVL Drill Seeder	6	dy	\$200.00
	SVL ATV	6	dy	\$75.00
	SVL Spray rig	6	dy	\$50.00
	Move-in/out	1	ls	\$500.00
		0		\$0.00
		0		\$0.00
		0		\$0.00
		0		\$0.00
		0		\$0.00
MATERIALS				
	Seed mix (see specifications)	115.24	ac	\$400.00
	Round-up herbicide	115.24	ac	\$50.00
		0		\$0.00
		0		\$0.00
		0		\$0.00
		0		\$0.00
		0		\$0.00
SUB-CONTRACT				
		0		\$0.00
		0		\$0.00
sub-total				\$64,568.00
Contingency		10	%	sub-total
OVERHEAD		25	%	sub-total
				\$16,142.00
ESTIMATED BY:	DATE		ESTIMATED COST	
CHECKED BY:			\$87,166.80	
		BID PRICE		



## Sierra View Landscape, Inc

PHONE: 916-344-4943

FAX: 916-344-4704

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CLIENT NAME		Wildlands, Inc.		SOLICITATION #	
JOB NAME		Sun River Habitat Restoration Project BID DUE:			
JOB LOCATION		North of Lambert Road at Snodgrass Slough			
CITY, COUNTY, STATE		Sacramento County, CA			
CONTACT		Greg Sutter		PHONE	(916) 331-8810
FAX		(916) 331-8755		MOBILE	
BID ITEM	Maintenance-Year One \$155,925.00				
TASK DESCRIPTION	Provide site maintenance for one year after substantial completion of construction and plant installation. Maintenance activities include water management, weed management, animal damage management, habitat plant replacement, litter removal, and internal road maintenance.				
		QUANT.	UNIT	PRICE	EXTENSION
Total cost for the bid item		1	yr	\$155,925.00	\$155,925.00
<b>LABOR</b>					
	Foreman (10 days per month)	120	dy	\$200.00	\$24,000.00
	Technician (10 days per month)	120	dy	\$140.00	\$16,800.00
	Supervisor / Biologist	24	dy	\$220.00	\$5,280.00
	Laborers (4 persons - 4 days/mo in summer)	16	dy	\$480.00	\$7,680.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
<b>EQUIPMENT</b>					
	SVL Truck	120	dy	\$100.00	\$12,000.00
	SVL ATV	120	dy	\$75.00	\$9,000.00
	SVL Spray rig	15	dy	\$150.00	\$2,250.00
	SVL pump	1	yr	\$1,000.00	\$1,000.00
	SVL tractor with implements	22	dy	\$220.00	\$4,840.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
<b>MATERIALS</b>					
	Sign, gate, fence repair materials	1	ls	\$1,000.00	\$1,000.00
	Road repair materials	1	ls	\$5,000.00	\$5,000.00
	Herbicide	121	ac	\$50.00	\$6,050.00
	Replacement plants (33% of original plant cost)	1	ls	\$20,000.00	\$20,000.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
<b>SUB-CONTRACT</b>					
	Dump fees	1	ls	\$600.00	\$600.00
		0		\$0.00	\$0.00
sub-total					\$115,500.00
Contingency		10	%	sub-total	\$11,550.00
OVERHEAD		25	%	sub-total	\$28,875.00
ESTIMATED BY:		DATE		ESTIMATED COST	
CHECKED BY:				\$155,925.00	
				BID PRICE	



## Sierra View Landscape, Inc

PHONE: 916-344-4943

FAX: 916-344-4704

Page No. 15 of 20 Pages

CLIENT NAME		Wildlands, Inc.		SOLICITATION #	
JOB NAME		Sun River Habitat Restoration Project BID DUE:			
JOB LOCATION		North of Lambert Road at Snodgrass Slough			
CITY, COUNTY, STATE		Sacramento County, CA			
CONTACT		Greg Sutter		PHONE	(916) 331-8810
FAX		(916) 331-8755		MOBILE	
BID ITEM	Maintenance-Year Two \$103,990.50				
TASK DESCRIPTION	Provide site maintenance for the second year after completion of installation. Maintenance activities include water management, weed management, animal damage management, habitat plant replacement, litter removal, and internal road maintenance.				
		QUANT.	UNIT	PRICE	EXTENSION
Total cost for the bid item		1	yr	\$103,990.50	\$103,990.50
<b>LABOR</b>					
	Foreman (6 days per month)	84	dy	\$200.00	\$16,800.00
	Technician (6 days per month)	84	dy	\$140.00	\$11,760.00
	Supervisor / Biologist	18	dy	\$220.00	\$3,960.00
	Laborers (4 persons)	12	dy	\$480.00	\$5,760.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
<b>EQUIPMENT</b>					
	SVL truck	84	dy	\$100.00	\$8,400.00
	SVL ATV	84	dy	\$75.00	\$6,300.00
	SVL spray rig	10	dy	\$150.00	\$1,500.00
	Pump	1	ls	\$1,000.00	\$1,000.00
	SVL tractor with implements	15	dy	\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
<b>MATERIALS</b>					
	Sign, gate, fence repair materials	1	ls	\$500.00	\$500.00
	Road repair materials	1	ls	\$3,000.00	\$3,000.00
	Herbicide	121	ac	\$50.00	\$6,050.00
	Replacement plants (20% of original plant cost)	1	ls	\$12,000.00	\$12,000.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
<b>SUB-CONTRACT</b>					
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
sub-total					\$77,030.00
Contingency		10	%	sub-total	\$7,703.00
OVERHEAD		25	%	sub-total	\$19,257.50
ESTIMATED BY:		DATE		ESTIMATED COST	
CHECKED BY:				\$103,990.50	
				BID PRICE	

CLIENT NAME	Wildlands, Inc.		SOLICITATION #	
JOB NAME	Sun River Habitat Restoration Project		BID DUE:	
JOB LOCATION	North of Lambert Road at Snodgrass Slough			
CITY, COUNTY, STATE	Sacramento County, CA			
CONTACT	Greg Sutter	PHONE	(916)	331-8810
FAX	(916) 331-8755	MOBILE		
BID ITEM	Public Access Feature: Gravel Road Surfaces			\$35,531.33
TASK DESCRIPTION	Install a 2" layer of 1" crushed rock over public access road surfaces. Area to be graveled is 12 feet wide by 11,250 feet long.			
		QUANT.	UNIT	PRICE
		1	ls	\$35,531.33
Total cost for the bid item				\$35,531.33
<b>LABOR</b>				
	Operator	4	dy	\$180.00
	Grade Setter	4	dy	\$140.00
	Superintendent	2	dy	\$256.00
	Laborer	2	dy	\$120.00
		0		\$0.00
		0		\$0.00
		0		\$0.00
		0		\$0.00
<b>EQUIPMENT</b>				
	SVL Grading Tractor	4	dy	\$220.00
	SVL Truck	4	dy	\$100.00
	Smooth drum roller	4	dy	\$280.00
		0		\$0.00
		0		\$0.00
		0		\$0.00
		0		\$0.00
		0		\$0.00
		0		\$0.00
		0		\$0.00
<b>MATERIALS</b>				
	Road rock	1400	ton	\$7.25
	Hauling costs	1400	ton	\$7.25
	Fuel	290	gal	\$1.75
		0		\$0.00
		0		\$0.00
		0		\$0.00
		0		\$0.00
<b>SUB-CONTRACT</b>				
	Glissman Excavating: dozer	2	dy	\$540.00
		0		\$0.00
sub-total				\$26,319.50
Contingency		10	%	sub-total
OVERHEAD		25	%	sub-total
				\$6,579.88
ESTIMATED BY:		DATE		
CHECKED BY:			ESTIMATED COST	\$35,531.33
			BID PRICE	

## Sierra View Landscape, Inc

PHONE: 916-344-4943

FAX: 916-344-4704

Page No. 17 of 20 Pages

CLIENT NAME		Wildlands, Inc.		SOLICITATION #	
JOB NAME		Sun River Habitat Restoration Project		BID DUE:	
JOB LOCATION		North of Lambert Road at Snodgrass Slough			
CITY, COUNTY, STATE		Sacramento County, CA			
CONTACT		Greg Sutter		PHONE (916) 331-8810	
FAX		(916) 331-8755		MOBILE	
BID ITEM		Public Access Feature: Graveled Parking Lots (4 ea) \$67,662.00			
TASK DESCRIPTION		Excavate, place, and compact fill (5600 cu yd) for parking lot pads (150' x 150') and cover with a 2" layer compacted 3/4" aggregate base rock.			
		QUANT.	UNIT	PRICE	EXTENSION
Total cost for the bid item		4	ea	\$16,915.50	\$67,662.00
<b>LABOR</b>					
Superindent		1	dy	\$256.00	\$256.00
Operators (3 ea)		3	dy	\$486.00	\$1,458.00
Grade Setter		3	dy	\$117.00	\$351.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
<b>EQUIPMENT</b>					
613 Scraper		3	dy	\$650.00	\$1,950.00
54" compactor		3	dy	\$200.00	\$600.00
SVL Water Truck		3	dy	\$220.00	\$660.00
SVL Truck (2)		3	dy	\$200.00	\$600.00
Move-in/out		3	ea	\$240.00	\$720.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
<b>MATERIALS</b>					
Fuel 100 gal per day		300	gal	\$1.75	\$525.00
Lathe-paint-flagging		1	ls	\$175.00	\$175.00
Lazer Level		3	dy	\$25.00	\$75.00
3/4" ab with trucking		250	ton	\$12.00	\$3,000.00
Hydroseeding		4500	sf	\$0.12	\$540.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
<b>SUB-CONTRACT</b>					
Glissman Excavating: dozer		3	dy	\$540.00	\$1,620.00
		0		\$0.00	\$0.00
sub-total					\$12,530.00
Contingency		10	%	sub-total	\$1,253.00
OVERHEAD		25	%	sub-total	\$3,132.50
ESTIMATED BY:		DATE		ESTIMATED COST	
CHECKED BY:				\$16,915.50	
				BID PRICE	

## Sierra View Landscape, Inc

PHONE: 916-344-4943

FAX: 916-344-4704

Page No. 18 of 21 Pages

CLIENT NAME		Wildlands, Inc.		SOLICITATION #	
JOB NAME		Sun River Habitat Restoration Project BID DUE:			
JOB LOCATION		North of Lambert Road at Snodgrass Slough			
CITY, COUNTY, STATE		Sacramento County, CA			
CONTACT		Greg Sutter		PHONE	(916) 331-8810
FAX		(916) 331-8755		MOBILE	
BID ITEM		Public Access Feature: Boat Ramp		\$24,480.90	
TASK DESCRIPTION		Construct 20' wide by 45' long concrete boat ramp with steps and steel hand rail on one side			
		QUANT.	UNIT	PRICE	EXTENSION
Total cost for the bid item		1	ls	\$24,480.90	\$24,480.90
<b>LABOR</b>					
Superintendent		4	dy	\$256.00	\$1,024.00
Technicians (2 ea)		10	dy	\$324.00	\$3,240.00
Grade Setter		2	dy	\$140.00	\$280.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
<b>EQUIPMENT</b>					
SVL Truck		10	dy	\$100.00	\$1,000.00
SVL Bobcat		5	dy	\$300.00	\$1,500.00
Compaction Wheel		3	dy	\$25.00	\$75.00
Generator, Skillsaw		4	dy	\$65.00	\$260.00
Pump		10	dy	\$40.00	\$400.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
<b>MATERIALS</b>					
Concrete		20	cy	\$98.00	\$1,960.00
Rebar and reinforcing wire		1	ls	\$500.00	\$500.00
Hand Rail: 2" galvanized steel pipe w/ fittings		100	lf	\$4.50	\$450.00
Form Wood		1	ls	\$875.00	\$875.00
Misc nails wire ets		1	ls	\$250.00	\$250.00
Rock rip rap and fill		30	cy	\$65.00	\$1,950.00
		0		\$0.00	\$0.00
<b>SUB-CONTRACT</b>					
Concrete subcontractor (set-up and pour)		1000	sf	\$2.75	\$2,750.00
Glissman Excavating: backhoe		3	dy	\$540.00	\$1,620.00
sub-total					\$18,134.00
Contingency		10	%	sub-total	\$1,813.40
OVERHEAD		25	%	sub-total	\$4,533.50
ESTIMATED BY:		DATE		ESTIMATED COST	
CHECKED BY:				\$24,480.90	
				BID PRICE	

## Sierra View Landscape, Inc

PHONE: 916-344-4943

FAX: 916-344-4704

Page No. 19 of 20 Pages

CLIENT NAME		Wildlands, Inc.		SOLICITATION #	
JOB NAME		Sun River Habitat Restoration Project		BID DUE:	
JOB LOCATION		North of Lambert Road at Snodgrass Slough			
CITY, COUNTY, STATE		Sacramento County, CA			
CONTACT		Greg Sutter		PHONE	(916) 331-8810
FAX		(916) 331-8755		MOBILE	
BID ITEM		Public Access Feature: Waterfowl hunting blind (3 ea)		\$6,214.73	
TASK DESCRIPTION		Install a standard steel three person (eg., parent & 2 youth hunters)" duck tank" appropriately sited on islands within seasonal marsh areas.			
		QUANT.	UNIT	PRICE	EXTENSION
Total cost for the bid item		3	ea	\$2,071.58	\$6,214.73
<b>LABOR</b>					
Operator		4	hr	\$20.00	\$80.00
Laborer		4	hr	\$18.00	\$72.00
Superintendent		2	hr	\$32.00	\$64.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
<b>EQUIPMENT</b>					
Backhoe		4	hr	\$32.00	\$128.00
SVL Truck		0.5	dy	\$100.00	\$50.00
SVL 2 ton flatbed truck		0.33	dy	\$150.00	\$49.50
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
<b>MATERIALS</b>					
3 person tank (Yuba City Steel)		1	ea	\$852.00	\$852.00
3 stools		3	ea	\$75.00	\$225.00
Fuel		8	gal	\$1.75	\$14.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
<b>SUB-CONTRACT</b>					
		0		\$0.00	\$0.00
		0		\$0.00	\$0.00
sub-total					\$1,534.50
Contingency		10	%	sub-total	\$153.45
OVERHEAD		25	%	sub-total	\$383.63
ESTIMATED BY:		DATE		ESTIMATED COST	
CHECKED BY:				\$2,071.58	
				BID PRICE	

## Sierra View Landscape, Inc

PHONE: 916-344-4943

FAX: 916-344-4704

Page No. 20 of 20 Pages

CLIENT NAME: Wildlands, Inc.		SOLICITATION #	
JOB NAME: Sun River Habitat Restoration Project		BID DUE:	
JOB LOCATION: North of Lambert Road at Snodgrass Slough			
CITY, COUNTY, STATE: Sacramento County, CA			
CONTACT: Greg Sutter	PHONE: (916) 331-8810		
FAX: (916) 331-8755	MOBILE:		
BID ITEM	Public Access Feature: Handicap Accessible Blind (3 ea) \$10,431.79		
TASK DESCRIPTION	Construct handicap accessible 3 person wood platform waterfowl hunting blind in appropriately located peninsulas within the seasonal marsh habitat. Blinds will be accessible from graveled parking lot via a compacted decomposed granite path.		
	QUANT.	UNIT	PRICE
	EXTENSION		
Total cost for the bid item		3	ea
		\$3,477.26	\$10,431.79
<b>LABOR</b>			
Technicians (2 ea)	2	dy	\$324.00
Superintendent	4	hr	\$32.00
Grade Setter	2	hr	\$20.00
	0		\$0.00
	0		\$0.00
	0		\$0.00
	0		\$0.00
	0		\$0.00
	0		\$0.00
<b>EQUIPMENT</b>			
2 man auger	1	dy	\$40.00
SVL Truck	2	dy	\$100.00
Generator, skillsaw, etc	2	dy	\$65.00
Smooth drum roller	1	dy	\$240.00
SVL Bobcat	1	dy	\$300.00
	0		\$0.00
	0		\$0.00
	0		\$0.00
	0		\$0.00
	0		\$0.00
	0		\$0.00
<b>MATERIALS</b>			
Pressure treated lumber	300	lf	\$1.05
4" by 4" by 10' PTW posts	7	ea	\$14.00
Poultry Wire	1	roll	\$50.00
Concrete	7	bag	\$5.25
Screws and Nails	1	ls	\$25.00
Exterior plywood	5	ea	\$25.00
Decomposed granite for trail	8	cy	\$25.00
<b>SUB-CONTRACT</b>			
	0		\$0.00
	0		\$0.00
sub-total			\$2,575.75
Contingency		10 %	sub-total
OVERHEAD		25 %	sub-total
			\$643.94
ESTIMATED BY:		DATE	
CHECKED BY:		ESTIMATED COST	
		\$3,477.26	
		BID PRICE	



**Appendix: Summary: Existing Project Status**  
(Requested in CALFED PSP, Section D.3)

CALFED previously awarded **\$2,338,000** to the USFWS for the acquisition and initial restoration and permitting planning for the restoration of the Sun River property (#PSP98-C1010).

The formal acquisition of the Sun River Duck Club (a.k.a. Kuhn) was completed in February of 2000. The land is currently held in fee title by ALC and the habitat development rights on the property are held by Wildlands, Inc. Both ALC and Wildlands, Inc. acted as brokers for the USFWS to allow the successful acquisition of the property to occur. The final purchase amount of the property was **\$2,122,500** (Note: An additional \$3,000 was expended on the appraisal). Through a contractual arrangement between ALC and the USFWS, the properties will be deeded over to the USFWS, to be managed as part of the Stone Lakes National Wildlife Refuge (SLNWR), at the completion of the habitat and public access restoration project.

Since the acquisition, Wildlands, Inc., under contract to the USFWS and in cooperation with the SLNWR staff, has performed site analysis and developed restoration plans. In particular Wildlands, Inc. has:

- mapped the site elevations and gathered GPS data;
- developed AutoCAD drawings to estimate cut and fill amounts;
- assessed levee stability;
- refined the conceptual proposed restoration design;
- developed concept level drawings for levee repair, water control structures, weirs, biotechnical levee repair, and roads and boat ramps; and
- identified re-vegetation needs and planting regimes for the seasonal wetland, riparian and upland habitats.

Wildlands, Inc. has also held pre-application meetings with the relevant regulatory entities to review the proposed restoration concepts and refine the conceptual plans. In addition, Wildlands has met with the Sacramento County Department of Water Resources to determine the appropriate elevations for the most beneficial flood design. Wildlands has also met with local landowners concerned about flooding to obtain their input on the project. Finally, Wildlands has also conducted tours with potential grant funding entities to highlight the benefits of the project and discuss the potential of obtaining matching or contributing funds for the final restoration of the site.

To date, Wildlands has expended approximately \$50,000 of the remaining **\$212,500** in developing the restoration plans. It is expected that Wildlands, Inc and the USFWS, the grant administrator, will expend the remaining funds over the next 9-12 months in obtaining the permits for the project.





May 12, 2000

Clerk of the Board of Supervisors  
County of Sacramento  
700 H Street  
Room 2450  
Sacramento, CA 95814



WILDLANDS, INC.

To Whom It May Concern:

Wildlands, Inc., in partnership with the American Lands Conservancy, California Waterfowl Association, Stone Lakes National Wildlife Refuge, the US Fish and Wildlife Service, and Sierra View Landscape, is applying to the CALFED Ecosystem Restoration Program for a grant to assist in the restoration and enhancement of the Sun River Property.

The Sun River Property is approximately 537 acres and is located at the northeast corner of Lambert Road and Snodgrass Slough. The property was acquired with a CALFED grant last year.

The proposed restoration includes (see attached proposal) restoring backwater channel hydrology and upland grassland habitat for a variety of special status species. The project is also designed to provide flood protection to surrounding area and offer hunting and boating access to the southern portion of the Stone Lakes Refuge. Wildlands, Inc. has been in contact with the Sacramento County Public Works Dept, Division of Water Resources and will continue to work closely with them to ensure a beneficial flood project. This project will not result in a change of land use. However, the project may require a grading permit

If you have any questions regarding the project, please contact me at (916) 331-8810.

Sincerely,

Greg Sutter  
Director of Ecological Restoration

cc: Sacramento County Planning Department 827 7<sup>th</sup> Street, 95814

Attachment:

May 12, 2000

Delta Protection Commission  
14215 River Road  
PO Box 530  
Walnut Grove, CA 95690



WILDLANDS, INC.

To Whom It May Concern:

Wildlands, Inc., in partnership with the American Lands Conservancy, California Waterfowl Association, Stone Lakes National Wildlife Refuge, the U.S. Fish and Wildlife Service, and Sierra View Landscape, is applying to the CALFED Ecosystem Restoration Program for a grant to assist in the restoration and enhancement of the Sun River Property.

The Sun River Property is approximately 537 acres and is located at the northeast corner of Lambert Road and Snodgrass Slough. The property was acquired with a CALFED grant last year.

The proposed restoration includes (see attached proposal) restoring backwater channel hydrology and upland grassland habitat for a variety of special status species. The project is also designed to provide flood protection to surrounding area and offer hunting and boating access to the southern portion of the Stone Lakes Refuge. This project will not result in a change of land use.

If you have any questions regarding the project, please contact me at (916) 331-8810.

Sincerely,

Greg Sutter  
Director of Ecological Restoration

Attachment:



# AMERICAN LAND CONSERVANCY®

456 Montgomery Street, Suite 1450 • San Francisco, California 94104 • Phone 415-403-3850 • FAX 415-403-3856 • E-Mail [mail@alcnet.org](mailto:mail@alcnet.org)

May 9, 2000

CALFED Bay-Delta Program Office  
1416 Ninth Street, Suite 1155  
Sacramento, CA 95814

To Whom It May Concern:

The American Land Conservancy, owner of the Sun River property, parcel No. 133, 223, 157, and 643 of Sacramento County Surveys, agrees to allow access to the site for purposes of habitat restoration. The 537-acre site is located just north of Lambert Road and adjacent to Snodgrass Slough on its eastern bank. Upon final restoration of the property, it shall be donated to the U.S. Fish and Wildlife Service for the purposed of inclusion in the Stone Lakes National Wildlife Refuge.

If you have any questions, please contact me at 415-749-3010.

Sincerely,



Harriet Burgess  
President



WILDLANDS, INC.

May 9, 2000

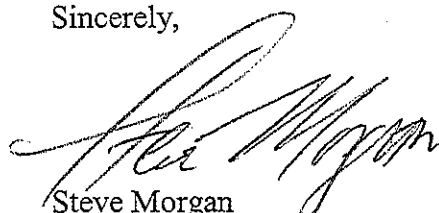
CALFED Bay-Delta Program Office  
1416 Ninth Street, Suite 1155  
Sacramento, CA 95814

To Whom It May Concern:

Wildlands, Inc., owner of the habitat development rights at the Sun River property, parcel No. 133, 223, 157, and 643 of Sacramento County Surveys, agrees to allow access to the site for purposes of habitat restoration. The 537-acre site is located just north of Lambert Road and adjacent to Snodgrass Slough on its eastern bank.

If you have any questions, please contact me at 916 331-8810.

Sincerely,

  
Steve Morgan  
CEO/CFO

## Environmental Compliance Checklist

All applicants must fill out this Environmental Compliance Checklist. Applications must contain answers to the following questions to be responsive and to be considered for funding. Failure to answer these questions and include them with the application will result in the application being considered nonresponsive and not considered for funding.

1. Do any of the actions included in the proposal require compliance with either the California Environmental Quality Act (CEQA), the National Environmental Policy Act (NEPA), or both?

  X    
YES

        
NO

2. If you answered yes to # 1, identify the lead governmental agency for CEQA/NEPA compliance.

Sacramento County  
Lead Agency

3. If you answered no to # 1, explain why CEQA/NEPA compliance is not required for the actions in the proposal.

N/A

4. If CEQA/NEPA compliance is required, describe how the project will comply with either or both of these laws. Describe where the project is in the compliance process and the expected date of completion.

Wildlands, Inc. will comply with all environmental review that may include a County grading permit, CEQA (Negative Declaration), CDFG 1600; CWA 404-401 and NEPA. Permit applications are currently under development and should be completed by Spring of 2001.

5. Will the applicant require access across public or private property that the applicant does not own to accomplish the activities in the proposal?

        
YES

  X    
NO

If yes, the applicant must attach written permission for access from the relevant property owner(s). Failure to include written permission for access may result in disqualification of the proposal during the review process. Research and monitoring field projects for which specific field locations have not been identified will be required to provide access needs and permission for access with 30 days of notification of approval.

N/A

6. Please indicate what permits or other approvals may be required for the activities contained in your proposal. Check all boxes that apply.

LOCAL

Conditional use permit	_____
Variance	_____
Subdivision Map Act approval	_____
Grading permit	<u>X</u>
General plan amendment	_____
Specific plan approval	_____
Rezone	_____
Williamson Act Contract	_____
cancellation	_____
Other _____	
(please specify)	
None required	_____

STATE

CESA Compliance	_____	(CDFG)
Streambed alteration permit	<u>X</u>	(CDFG)
CWA § 401 certification	<u>X</u>	(RWQCB)
Coastal development permit	_____	(Coastal Commission/BCDC)
Reclamation Board approval	_____	
Notification	<u>X</u>	(DPC, BCDC)
Other _____		
(please specify)		
None required	_____	

FEDERAL

ESA Consultation	<u>X</u>	(USFWS)
Rivers & Harbors Act permit	_____	(ACOE)
CWA § 404 permit	<u>X</u>	(ACOE)
Other _____		
(please specify)		
None required	_____	

DPC = Delta Protection Commission

CWA = Clean Water Act

CESA = California Endangered Species Act

USFWS = U.S. Fish and Wildlife Service

ACOE = U.S. Army Corps of Engineers

ESA = Endangered Species Act

CDFG = California Department of Fish and Game

RWQCB = Regional Water Quality Control Board

BCDC = Bay Conservation and Development Comm.

## Land Use Checklist

All applicants must fill out this Land Use Checklist for their proposal. Applications must contain answers to the following questions to be responsive and to be considered for funding. Failure to answer these questions and include them with the application will result in the application being considered nonresponsive and not considered for funding.

1. Do the actions in the proposal involve physical changes to the land (i.e. grading, planting vegetation, or breaching levees) or restrictions in land use (i.e. conservation easement or placement of land in a wildlife refuge)?

X  
YES

        
NO

2. If NO to # 1, explain what type of actions are involved in the proposal (i.e., research only, planning only).

N/A

3. If YES to # 1, what is the proposed land use change or restriction under the proposal?

Grading to restore back-water channels, replanting riparian vegetation and grasslands habitat, and stabilizing existing levees

4. If YES to # 1, is the land currently under a Williamson Act contract?

        
YES

X  
NO

5. If YES to # 1, answer the following:

Current land use

Agriculture

Current zoning

Agriculture

Current general plan designation

Agriculture

6. If YES to #1, is the land classified as Prime Farmland, Farmland of Statewide Importance or Unique Farmland on the Department of Conservation Important Farmland Maps?

        
YES

        
NO

X  
DON'T KNOW

7. If YES to # 1, how many acres of land will be subject to physical change or land use restrictions under the proposal?

8. If YES to # 1, is the property currently being commercially farmed or grazed?

        
YES

        
NO

9. If YES to #8, what are

the number of employees/acre N/A

the total number of employees



10. Will the applicant acquire any interest in land under the proposal (fee title or a conservation easement)?

            
YES

  N/A    
NO

11. What entity/organization will hold the interest? Wildlands/ALC until restoration and monitoring  
are completed. Stone Lakes NWR will then receive interest.

12. If YES to # 10, answer the following:

Total number of acres to be acquired under proposal

  N/A  

Number of acres to be acquired in fee

  N/A  

Number of acres to be subject to conservation easement

  N/A  

13. For all proposals involving physical changes to the land or restriction in land use, describe what entity or organization will:

manage the property

Wildlands, Inc/NWR

provide operations and maintenance services

Wildlands, Inc/NWR

conduct monitoring

Wildlands, Inc.

14. For land acquisitions (fee title or easements), will existing water rights also be acquired?

            
YES

  X    
NO

15. Does the applicant propose any modifications to the water right or change in the delivery of the water?

            
YES

  X    
NO

16. If YES to # 15, describe   N/A

## NONDISCRIMINATION COMPLIANCE STATEMENT

19 (REV. 5-85) FMC

COMPANY NAME

Wildlands, Inc.

The company named above (hereinafter referred to as "prospective contractor") hereby certifies, unless specifically exempted, compliance with Government Code Section 12990 (a-f) and California Code of Regulations, Title 2, Division 4, Chapter 5 in matters relating to reporting requirements and the development, implementation and maintenance of a Nondiscrimination Program. Prospective contractor agrees not to unlawfully discriminate, harass or allow harassment against any employee or applicant for employment because of sex, race, color, ancestry, religious creed, national origin, disability (including HIV and AIDS), medical condition (cancer), age, marital status, denial of family and medical care leave and denial of pregnancy disability leave.

## CERTIFICATION

*I, the official named below, hereby swear that I am duly authorized to legally bind the prospective contractor to the above described certification. I am fully aware that this certification, executed on the date and in the county below, is made under penalty of perjury under the laws of the State of California.*

OFFICIAL'S NAME

Steve Morgan

EXECUTED

May 12, 2000

EXECUTED IN THE COUNTY OF

Sacramento

PROSPECTIVE CONTRACTOR'S SIGNATURE

PROSPECTIVE CONTRACTOR'S TITLE

CEO/CFO

PROSPECTIVE CONTRACTOR'S LEGAL BUSINESS NAME

Wildlands, Inc.



## BIDDER'S BOND

Bond No. SD00082184-2

We Sierra View Landscape, Inc.5729 Manzanita Ave., No. 2, Carmichael, Ca. 95608

as PRINCIPAL, and

Frontier Pacific Insurance Company

as SURETY, are held and firmly bound unto the State of California in the penal sum of TEN PERCENT (10%) OF THE TOTAL AMOUNT OF THE BID of the Principal above named submitted by said Principal to the State of California, acting by and through the Department of Water Resources, for the work described below, for the payment of which sum in lawful money of the United States, well and truly to be made, to the Director of the Department to which said bid was submitted, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

In no case shall the liability of the surety here under exceed the sum of \$ 10% of the Bid Amount

## THE CONDITION OF THIS OBLIGATION IS SUCH,

That whereas the Principal has submitted the above-mentioned bid to the State of California, as aforesaid, for certain construction specifically described as follows, for which bids are to be opened at

Sacramento, California, on May 15, 2000

(Insert name of city where bids will be opened)

(Insert date of bid opening)

for CALFED Grant Proposal for the Sun River restoration project to restore backwater flood plain habitat, which will restore and enhance wetland and riparian habitats.

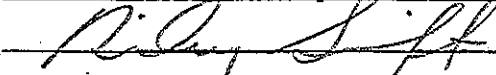
Copy here the exact description of work, including location, as it appears on the proposal)

NOW, THEREFORE, If the aforesaid Principal is awarded the contract and, within the time and manner required under the specifications, after the prescribed forms are presented to him for signature, enters into a written contract, in the prescribed form, in accordance with the bid, and files two bonds with the Department, one to guarantee faithful performance and the other to guarantee payment for labor, materials, as required by law, then this obligation shall be null and void; otherwise, it shall be and remain in full force and virtue.

IN WITNESS WHEREOF, We have hereunto set our hands and seals on this 15th  
day of May, 2000

Sierra View Landscape, Inc.

[Seal]

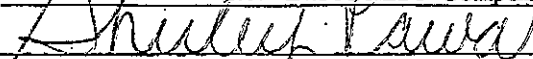


[Seal]

[Seal]

Frontier Pacific Insurance Company

[Seal]



[Seal]

Shirley Paiva, Attorney-in-Fact

[Seal]

Surety

Address 1540 River Park Dr., Suite #105  
Sacramento, Ca. 95815

NOTE: Signatures of those executing for the surety must be properly acknowledged.



# CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

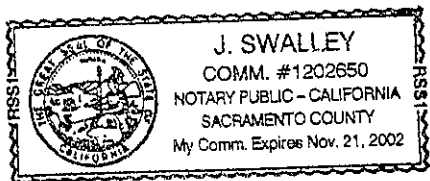
State of California

County of Sacramento

On May 15, 2000 before me, J. Swalley, Notary Public  
DATE NAME, TITLE OF OFFICER - E.G., "JANE DOE, NOTARY PUBLIC"

personally appeared Shirley Paiva  
NAME(S) OF SIGNER(S)

☒ personally known to me - OR - ☐ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



WITNESS my hand and official seal.

J. Swalley  
SIGNATURE OF NOTARY

## OPTIONAL

Though the data below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent reattachment of this form.

### CAPACITY CLAIMED BY SIGNER

- ☐ INDIVIDUAL  
☐ CORPORATE OFFICER

TITLE(S)

- ☐ PARTNER(S) ☐ LIMITED  
☐ GENERAL  
☒ ATTORNEY-IN-FACT  
☐ TRUSTEE(S)  
☐ GUARDIAN/CONSERVATOR  
☐ OTHER: \_\_\_\_\_

SIGNER IS REPRESENTING:  
NAME OF PERSON(S) OR ENTITY(IES)

Frontier Pacific Insurance Company

### DESCRIPTION OF ATTACHED DOCUMENT

TITLE OR TYPE OF DOCUMENT

NUMBER OF PAGES

DATE OF DOCUMENT

SIGNER(S) OTHER THAN NAMED ABOVE





(a California Company)  
6404 Wilshire Blvd., Suite 850, Los Angeles, California 90048-5510

## POWER OF ATTORNEY

Know All Men By These Presents: That FRONTIER PACIFIC INSURANCE COMPANY, a California Corporation, having its principal office in La Jolla, California, pursuant to the following resolution, adopted by the Board of Directors of the Corporation on the 15th day of November, 1991.

"RESOLVED, that the Chairman of the Board, the President, or any Vice President be, and hereby is, authorized to appoint Attorneys-in-Fact to represent and act for and on behalf of the Company to execute bonds, undertakings, recognizances and other contracts of indemnity and writings obligatory in the nature thereof, and to attach thereto the corporate seal of the Company, in the transaction of its surety business;

"RESOLVED, that the signatures and attestations of such officers and the seal of the Company may be affixed to any such Power of Attorney or to any certificate relating thereto by facsimile, and any such Power of Attorney or certificate bearing such facsimile signatures or facsimile seal shall be valid and binding upon the Company when so affixed with respect to any bond, undertaking, recognizance or other contract of indemnity or writing obligatory in the nature thereof;

"RESOLVED, that any such Attorney-in-Fact delivering a secretarial certification that the foregoing resolutions still be in effect may insert in such certification the date thereof, said date to be not later than the date of delivery thereof by such Attorney-in-Fact"

This Power of Attorney is signed and sealed in facsimile under and by the authority of the above Resolution.

DOES HEREBY MAKE, CONSTITUTE AND APPOINT:

of **Sacramento**, in the State of **California**  
its true and lawful Attorney(s)-in-Fact with full power and authority hereby conferred in its name, place and stead to sign, execute, acknowledge and deliver in its behalf, and as its act and deed, without power of redelegation, as follows:

Bonds guaranteeing the fidelity of persons holding places of public or private trust, guaranteeing the performance of contracts other than insurance policies; and executing or guaranteeing bonds and undertakings required or permitted in all actions or proceedings or by law allowed; IN AN AMOUNT NOT TO EXCEED THREE MILLION FIVE HUNDRED THOUSAND (\$3,500,000.00) DOLLARS; and to bind FRONTIER PACIFIC INSURANCE COMPANY thereby as fully and to the same extent as if such bond or undertaking was signed by the duly authorized officers of FRONTIER PACIFIC INSURANCE COMPANY, and all the acts of said Attorney(s)-in-Fact pursuant to the authority herein given are hereby ratified and confirmed.

In Witness Whereof, FRONTIER PACIFIC INSURANCE COMPANY of Los Angeles, California, has caused this Power of Attorney to be signed by its Vice President and its Corporate seal to be affixed this 19th day of June, 1996.

FRONTIER PACIFIC INSURANCE COMPANY



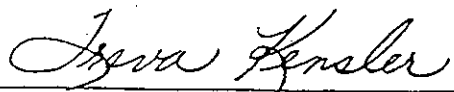
BY:   
DAVID E. CAMPBELL, Vice President

STATE OF CALIFORNIA)  
COUNTY OF SAN DIEGO)

On June 19, 1996 before me, Treva Kensler, Notary Public, personally appeared David E. Campbell, personally known to me to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

Witness my hand and official seal



  
Signature of Notary

Corporation Acknowledgement

I, the undersigned, Joseph P. Loughlin, Secretary of FRONTIER PACIFIC INSURANCE COMPANY, do hereby certify that the original POWER OF ATTORNEY, of which the foregoing is a full, true and correct copy, is in full force and effect.

IN WITNESS WHEREOF, I have hereunto subscribed my name as Joseph P. Loughlin, Secretary, and affixed the Corporate Seal of the Corporation this 15th day of May, 2000.



  
Joseph P. Loughlin, Secretary

W-10393-4/95-SM





**NONCOLLUSION AFFIDAVIT TO BE EXECUTED BY  
BIDDER AND SUBMITTED WITH BID FOR PUBLIC WORKS**

STATE OF CALIFORNIA )  
 )ss.  
COUNTY OF Sacramento )

Steve Morgan , being first duly sworn, deposes and  
(name)  
says that he or she is CEO/CFO of  
(position title)  
Wildlands, Inc.  
(the bidder)

the party making the foregoing bid that the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and, further, that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

DATED: 5/12/2000

By Steve Morgan  
(person signing for bidder)



(Notarial Seal)

Subscribed and sworn to before me on

May 12, 2000  
Tina E. Bandy  
(Notary Public)



NONCOLLUSION AFFIDAVIT TO BE EXECUTED BY  
BIDDER AND SUBMITTED WITH BID FOR PUBLIC WORKS

STATE OF CALIFORNIA )  
 )ss.  
COUNTY OF SACRAMENTO )

Riley J. Swift , being first duly sworn, deposes and  
(name)  
says that he ~~or she~~ is President of  
(position title)  
Sierra View Landscape, Inc.  
(the bidder)

the party making the foregoing bid that the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and, further, that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

DATED: May 12, 2000



(Notarial Seal)

By Riley J. Swift  
(person signing for bidder)

Subscribed and sworn to before me on

May 12, 2000

[Signature]

(Notary Public)



PROOF OF CONTRACTORS LICENSE



State of California  
CONTRACTORS STATE LICENSE BOARD  
ACTIVE LICENSE



License Number **429252** Entity **CORP**  
Business Name **SIERRA VIEW LANDSCAPE INC**

Classification(s) **B C27**

Expiration Date **05/31/2001**





APPLICATION FOR  
FEDERAL ASSISTANCE

1. DATE SUBMITTED 5/12/00		Applicant Identifier
2. DATE RECEIVED BY STATE 5/15/00		State Application Identifier
3. DATE RECEIVED BY FEDERAL AGENCY 5/15/00		Federal Identifier

TYPE OF SUBMISSION: <input type="checkbox"/> Application Construction <input type="checkbox"/> Application Non-Construction <input type="checkbox"/> Preapplication Construction <input type="checkbox"/> Preapplication Non-Construction		APPLICANT INFORMATION Legal Name: <u>Wildlands, Inc.</u> Address (give city, county, State, and zip code): <u>5910 Auburn Blvd., Ste 17</u> <u>Citrus Heights, CA 95621</u> EMPLOYER IDENTIFICATION NUMBER (EIN): <u>618-0312392</u> TYPE OF APPLICATION: <input checked="" type="checkbox"/> New <input type="checkbox"/> Continuation <input type="checkbox"/> Revision Revision, enter appropriate letter(s) in box(es) <input type="checkbox"/> <input type="checkbox"/> A. Increase Award B. Decrease Award C. Increase Duration D. Decrease Duration Other(specify):	Organizational Unit: <u>N/A</u> Name and telephone number of person to be contacted on matters involving this application (give area code) <u>(916) 331-8810</u> 7. TYPE OF APPLICANT: (enter appropriate letter in box) <input type="checkbox"/> A. State B. County C. Municipal D. Township E. Interstate F. Intermunicipal G. Special District H. Independent School Dist. I. State Controlled Institution of Higher Learning J. Private University K. Indian Tribe L. Individual M. Profit Organization N. Other (Specify) <u>Private</u> 9. NAME OF FEDERAL AGENCY: <u>N/A</u>
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CATALOG OF FEDERAL DOMESTIC ASSISTANCE NUMBER: <u>XX-XXXX</u> TITLE: <u>N/A</u> AREAS AFFECTED BY PROJECT (Cities, Counties, States, etc.): <u>Sacramento County, California</u>	11. DESCRIPTIVE TITLE OF APPLICANT'S PROJECT: <u>Aquatic and Wetland Habitat Restoration for Sun River Property</u>
--	--

PROPOSED PROJECT Start Date <u>3/01</u> Ending Date <u>3/04</u> ESTIMATED FUNDING: a. Federal \$ <u>2,223,404</u> Applicant \$ <u>                    </u> State \$ <u>                    </u> Local \$ <u>                    </u> Other \$ <u>831,987</u> Program Income \$ <u>                    </u> TOTAL \$ <u>3,055,391</u>		14. CONGRESSIONAL DISTRICTS OF: <u>District II (Richard Pombo)</u> a. Applicant <u>Wildlands, Inc.</u> b. Project <u>Habitat Restoration Sun River Prop</u> 16. IS APPLICATION SUBJECT TO REVIEW BY STATE EXECUTIVE ORDER 12372 PROCESS? a. YES. THIS PREAPPLICATION/APPLICATION WAS MADE AVAILABLE TO THE STATE EXECUTIVE ORDER 12372 PROCESS FOR REVIEW ON: <u>DATE 5/15/00</u> b. No. <input type="checkbox"/> PROGRAM IS NOT COVERED BY E. O. 12372 <input type="checkbox"/> OR PROGRAM HAS NOT BEEN SELECTED BY STATE FOR REVIEW 17. IS THE APPLICANT DELINQUENT ON ANY FEDERAL DEBT? <input type="checkbox"/> Yes If "Yes," attach an explanation. <input checked="" type="checkbox"/> No
---	--	---

18. TO THE BEST OF MY KNOWLEDGE AND BELIEF, ALL DATA IN THIS APPLICATION/PREAPPLICATION ARE TRUE AND CORRECT, THE DOCUMENT HAS BEEN DULY AUTHORIZED BY THE GOVERNING BODY OF THE APPLICANT AND THE APPLICANT WILL COMPLY WITH THE ATTACHED ASSURANCES IF THE ASSISTANCE IS AWARDED.

a. Type Name of Authorized Representative <u>Steve Morgan</u> Signature of Authorized Representative	b. Title <u>CEO/CFO</u>	c. Telephone Number <u>(916) 331-8810</u> e. Date Signed <u>5/12/00</u>
--	----------------------------	--



## INSTRUCTIONS FOR THE SF-424

Public reporting burden for this collection of information is estimated to average 45 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0043), Washington, DC 20503.

**PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET. SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.**

This is a standard form used by applicants as a required facesheet for preapplications and applications submitted for Federal assistance. It will be used by Federal agencies to obtain applicant certification that States which have established a review and comment procedure in response to Executive Order 12372 and have selected the program to be included in their process, have been given an opportunity to review the applicant's submission.

- | Item: | Entry:  | Item: | Entry:   |
|-------|---|-------|--|
| 1.    | Self-explanatory.   | 12.   | List only the largest political entities affected (e.g., State, counties, cities).   |
| 2.    | Date application submitted to Federal agency (or State if applicable) and applicant's control number (if applicable).   | 13.   | Self-explanatory.  |
| 3.    | State use only (if applicable).   | 14.   | List the applicant's Congressional District and any District(s) affected by the program or project.  |
| 4.    | If this application is to continue or revise an existing award, enter present Federal identifier number. If for a new project, leave blank.   | 15.   | Amount requested or to be contributed during the first funding/budget period by each contributor. Value of in-kind contributions should be included on appropriate lines as applicable. If the action will result in a dollar change to an existing award, indicate <i>only</i> the amount of the change. For decreases, enclose the amounts in parentheses. If both basic and supplemental amounts are included, show breakdown on an attached sheet. For multiple program funding, use totals and show breakdown using same categories as item 15. |
| 5.    | Legal name of applicant, name of primary organizational unit which will undertake the assistance activity, complete address of the applicant, and name and telephone number of the person to contact on matters related to this application.  | 16.   | Applicants should contact the State Single Point of Contact (SPOC) for Federal Executive Order 12372 to determine whether the application is subject to the State intergovernmental review process.  |
| 6.    | Enter Employer Identification Number (EIN) as assigned by the Internal Revenue Service.   | 17.   | This question applies to the applicant organization, not the person who signs as the authorized representative. Categories of debt include delinquent audit disallowances, loans and taxes.  |
| 7.    | Enter the appropriate letter in the space provided.   | 18.   | To be signed by the authorized representative of the applicant. A copy of the governing body's authorization for you to sign this application as official representative must be on file in the applicant's office. (Certain Federal agencies may require that this authorization be submitted as part of the application.)  |
| 8.    | Check appropriate box and enter appropriate letter(s) in the space(s) provided:<br><br>-- "New" means a new assistance award.<br><br>-- "Continuation" means an extension for an additional funding/budget period for a project with a projected completion date.<br><br>-- "Revision" means any change in the Federal Government's financial obligation or contingent liability from an existing obligation. |       |  |
| 9.    | Name of Federal agency from which assistance is being requested with this application.  |       |  |
| 10.   | Use the Catalog of Federal Domestic Assistance number and title of the program under which assistance is requested.   |       |  |
| 11.   | Enter a brief descriptive title of the project. If more than one program is involved, you should append an explanation on a separate sheet. If appropriate (e.g., construction or real property projects), attach a map showing project location. For preapplications, use a separate sheet to provide a summary description of this project.   |       |  |

# BUDGET INFORMATION - Construction Programs

COST CLASSIFICATION	a. Total Cost	b. Costs Not Allowable for Participation	c. Total Allowable Costs (Columns a-b)
1. Administrative and legal expenses	\$ 83,750.00	\$ -	\$ 83,750.00
2. Land, structures, rights-of-way, appraisals, etc.	\$ -	\$ -	\$ -
3. Relocation expenses and payments	\$ -	\$ -	\$ -
4. Architectural and engineering fees	\$ 47,245.00	\$ -	\$ 47,245.00
5. Other architectural and engineering fees	\$ 24,808.00	\$ -	\$ 24,808.00
6. Project inspection fees	\$ -	\$ -	\$ -
7. Site work	\$ 25,334.00	\$ -	\$ 25,334.00
8. Demolition and removal	\$ 30,935.00	\$ -	\$ 30,935.00
9. Construction (including bonding)	\$ 1,409,749.00	\$ -	\$ 1,409,749.00
10. Equipment (included in construction)	\$ -	\$ -	\$ -
11. Miscellaneous (monitoring & maintenance)	\$ 601,583.00	\$ -	\$ 601,583.00
12. SUBTOTAL (sum of lines 1-11)	\$ -	\$ -	\$ -
13. Contingencies	\$ -	\$ -	\$ -
14. SUBTOTAL	\$ 2,223,404.00	\$ -	\$ 2,223,404.00
15. Project (program) income	\$ -	\$ -	\$ -
16. TOTAL PROJECT COSTS (subtract #15 from #14)	\$ 2,223,404.00	\$ -	\$ 2,223,404.00
FEDERAL FUNDING			
17. Federal assistance requested, calculate as follows: (Consult Federal agency for Federal percentage share.) Enter eligible costs from line 16c Multiply X 100 % Enter the resulting Federal share.			
			\$ 2,223,404.00



U.S. Department of the Interior

Certifications Regarding Debarment, Suspension and  
Other Responsibility Matters, Drug-Free Workplace  
Requirements and Lobbying

Persons signing this form should refer to the regulations referenced below for complete instructions:

Certification Regarding Debarment, Suspension, and Other Responsibility Matters - Primary Covered Transactions - The prospective primary participant further agrees by submitting this proposal that it will include the clause titled, "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion - Lower Tier Covered Transaction," provided by the department or agency entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions. See below for language to be used; use this form for certification and sign; or use Department of the Interior Form 1954 (DI-1954). (See Appendix A of Subpart D of 43 CFR Part 12.)

Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion - Lower Tier Covered Transactions - (See Appendix B of Subpart D of 43 CFR Part 12.)

Certification Regarding Drug-Free Workplace Requirements - Alternate I. (Grantees Other Than Individuals) and Alternate II. (Grantees Who are Individuals) - (See Appendix C of Subpart D of 43 CFR Part 12.)

Signature on this form provides for compliance with certification requirements under 43 CFR Parts 12 and 18. The certifications shall be treated as a material representation of fact upon which reliance will be placed when the Department of the Interior determines to award the covered transaction, grant, cooperative agreement or loan.

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**PART A: Certification Regarding Debarment, Suspension, and Other Responsibility Matters -  
Primary Covered Transactions**

---

*CHECK ☐ IF THIS CERTIFICATION IS FOR A PRIMARY COVERED TRANSACTION AND IS APPLICABLE.*

- (1) The prospective primary participant certifies to the best of its knowledge and belief, that it and its principals:
  - (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
  - (b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
  - (c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (1)(b) of this certification; and
  - (d) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.
- (2) Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

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**PART B: Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion -  
Lower Tier Covered Transactions**

---

*CHECK ☐ IF THIS CERTIFICATION IS FOR A LOWER TIER COVERED TRANSACTION AND IS APPLICABLE.*

- (1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.
- (2) Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

---

**PART C: Certification Regarding Drug-Free Workplace Requirements**

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*CHECK ☐ IF THIS CERTIFICATION IS FOR AN APPLICANT WHO IS NOT AN INDIVIDUAL.*

**Alternate I. (Grantees Other Than Individuals)**

A. The grantee certifies that it will or continue to provide a drug-free workplace by:

- (a) Publishing a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the grantee's workplace and specifying the actions that will be taken against employees for violation of such prohibition;
- (b) Establishing an ongoing drug-free awareness program to inform employees about--
  - (1) The dangers of drug abuse in the workplace;
  - (2) The grantee's policy of maintaining a drug-free workplace;
  - (3) Any available drug counseling, rehabilitation, and employee assistance programs; and
  - (4) The penalties that may be imposed upon employees for drug abuse violations occurring in the workplace;
- (c) Making it a requirement that each employee to be engaged in the performance of the grant be given a copy of the statement required by paragraph (a);
- (d) Notifying the employee in the statement required by paragraph (a) that, as a condition of employment under the grant, the employee will --
  - (1) Abide by the terms of the statement; and
  - (2) Notify the employer in writing of his or her conviction for a violation of a criminal drug statute occurring in the workplace no later than five calendar days after such conviction;
- (e) Notifying the agency in writing, within ten calendar days after receiving notice under subparagraph (d)(2) from an employee or otherwise receiving actual notice of such conviction. Employers of convicted employees must provide notice, including position title, to every grant officer on whose grant activity the convicted employee was working, unless the Federal agency has designated a central point for the receipt of such notices. Notice shall include the identification number(s) of each affected grant;
- (f) Taking one of the following actions, within 30 calendar days of receiving notice under subparagraph (d)(2), with respect to any employee who is so convicted --
  - (1) Taking appropriate personnel action against such an employee, up to and including termination, consistent with the requirements of the Rehabilitation Act of 1973, as amended; or
  - (2) Requiring such employee to participate satisfactorily in a drug abuse assistance or rehabilitation program approved for such purposes by a Federal, State, or local health, law enforcement, or other appropriate agency;
- (g) Making a good faith effort to continue to maintain a drug-free workplace through implementation of paragraphs (a), (b), (c), (d), (e) and (f).

B. The grantee may insert in the space provided below the site(s) for the performance of work done in connection with the specific grant:

Place of Performance (Street address, city, county, state, zip code)

5910 Auburn Blvd., Ste. 17  
Citrus Heights, CA 95621

Check ☐ if there are workplaces on file that are not identified here.

---

**PART D: Certification Regarding Drug-Free Workplace Requirements**

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*CHECK ☐ IF THIS CERTIFICATION IS FOR AN APPLICANT WHO IS AN INDIVIDUAL.*

**Alternate II. (Grantees Who Are Individuals)**

- (a) The grantee certifies that, as a condition of the grant, he or she will not engage in the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance in conducting any activity with the grant;
- (b) If convicted of a criminal drug offense resulting from a violation occurring during the conduct of any grant activity, he or she will report the conviction, in writing, within 10 calendar days of the conviction, to the grant officer or other designee, unless the Federal agency designates a central point for the receipt of such notices. When notice is made to such a central point, it shall include the identification number(s) of each affected grant.

**ASSURANCES - CONSTRUCTION PROGRAMS**

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0042), Washington, DC 20503.

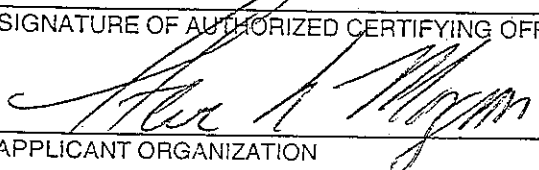
**PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET.  
SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.**

**NOTE:** Certain of these assurances may not be applicable to your project or program. If you have questions, please contact the Awarding Agency. Further, certain Federal assistance awarding agencies may require applicants to certify to additional assurances. If such is the case, you will be notified.

As the duly authorized representative of the applicant, I certify that the applicant:

1. Has the legal authority to apply for Federal assistance, and the institutional, managerial and financial capability (including funds sufficient to pay the non-Federal share of project costs) to ensure proper planning, management and completion of the project described in this application.
2. Will give the awarding agency, the Comptroller General of the United States and, if appropriate, the State, through any authorized representative, access to and the right to examine all records, books, papers, or documents related to the assistance; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.
3. Will not dispose of, modify the use of, or change the terms of the real property title, or other interest in the site and facilities without permission and instructions from the awarding agency. Will record the Federal interest in the title of real property in accordance with awarding agency directives and will include a covenant in the title of real property acquired in whole or in part with Federal assistance funds to assure non-discrimination during the useful life of the project.
4. Will comply with the requirements of the assistance awarding agency with regard to the drafting, review and approval of construction plans and specifications.
5. Will provide and maintain competent and adequate engineering supervision at the construction site to ensure that the complete work conforms with the approved plans and specifications and will furnish progress reports and such other information as may be required by the assistance awarding agency or State.
6. Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency.
7. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain.
8. Will comply with the Intergovernmental Personnel Act of 1970 (42 U.S.C. §§4728-4763) relating to prescribed standards for merit systems for programs funded under one of the 19 statutes or regulations specified in Appendix A of OPM's Standards for a Merit System of Personnel Administration (5 C.F.R. 900, Subpart F).
9. Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. §§4801 et seq.) which prohibits the use of lead-based paint in construction or rehabilitation of residence structures.
10. Will comply with all Federal statutes relating to non-discrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. §§1681 1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. §794), which prohibits discrimination on the basis of handicaps; (d) the Age Discrimination Act of 1975, as amended (42 U.S.C. §§6101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) §§523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. §§290 dd-3 and 290 ee 3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. §§3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (i) any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being made; and, (j) the requirements of any other nondiscrimination statute(s) which may apply to the application.

11. Will comply, or has already complied, with the requirements of Titles II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal and federally-assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.
12. Will comply with the provisions of the Hatch Act (5 U.S.C. §§1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.
13. Will comply, as applicable, with the provisions of the Davis-Bacon Act (40 U.S.C. §§276a to 276a-7), the Copeland Act (40 U.S.C. §276c and 18 U.S.C. §874), and the Contract Work Hours and Safety Standards Act (40 U.S.C. §§327-333) regarding labor standards for federally-assisted construction subagreements.
14. Will comply with flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is \$10,000 or more.
15. Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.L. 91-190) and Executive Order (EO) 11514; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in floodplains in accordance with EO 11988; (e) assurance of project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. §§1451 et seq.); (f) conformity of Federal actions to State (Clean Air) Implementation Plans under Section 176(c) of the Clean Air Act of 1955, as amended (42 U.S.C. §§7401 et seq.); (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended (P.L. 93-523); and, (h) protection of endangered species under the Endangered Species Act of 1973, as amended (P.L. 93-205).
16. Will comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. §§1271 et seq.) related to protecting components or potential components of the national wild and scenic rivers system.
17. Will assist the awarding agency in assuring compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. §470), EO 11593 (identification and protection of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. §§469a-1 et seq.).
18. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act Amendments of 1996 and OMB Circular No. A-133, "Audits of States, Local Governments, and Non-Profit Organizations."
19. Will comply with all applicable requirements of all other Federal laws, executive orders, regulations, and policies governing this program.

SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL 	TITLE CEO/CFO
APPLICANT ORGANIZATION Wildlands, Inc.	DATE SUBMITTED 5/15/00

**PART E: Certification Regarding Lobbying**  
**Certification for Contracts, Grants, Loans, and Cooperative Agreements**

*CHECK ☐ IF CERTIFICATION IS FOR THE AWARD OF ANY OF THE FOLLOWING AND  
THE AMOUNT EXCEEDS \$100,000: A FEDERAL GRANT OR COOPERATIVE AGREEMENT,  
SUBCONTRACT, OR SUBGRANT UNDER THE GRANT OR COOPERATIVE AGREEMENT.*

*CHECK ☐ IF CERTIFICATION IS FOR THE AWARD OF A FEDERAL  
LOAN EXCEEDING THE AMOUNT OF \$150,000, OR A SUBGRANT OR  
SUBCONTRACT EXCEEDING \$100,000, UNDER THE LOAN.*

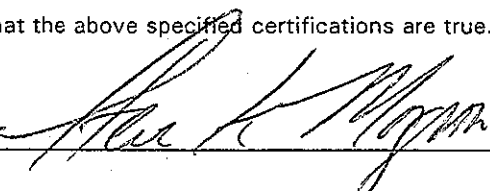
The undersigned certifies, to the best of his or her knowledge and belief, that:

- (1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, and officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.
- (3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

As the authorized certifying official, I hereby certify that the above specified certifications are true.

SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL



TYPED NAME AND TITLE Steve Morgan, CEO/CFO

DATE 5/15/00







MAY 5 2000



## COUNTY OF SACRAMENTO

Department of Regional Parks, Recreation and Open Space

**RECREATION & PARK  
AND  
FISH AND GAME COMMISSION**

Robert J. Bastian  
Michele McCormick  
Theodore M. Robinson  
Art White  
Louis Zimmerle

**RONALD D. SUTER**  
Director

**DEPUTY DIRECTORS**  
Roy Imai, Planning &  
Regional Parks  
Gary Kukkola, Rangers &  
American River Parkway  
Thom Oliver, Golf &  
Contract Maintenance

May 3, 2000

CALFED Bay-Delta Program Office  
1416 Ninth Street, Suite 1555  
Sacramento, CA 95814

**TO WHOM IT MAY CONCERN:**

This is to support the grant request from Stone Lakes National Wildlife Refuge (SLNWR) for a project to restore the 537-acre Sun River Property. This property was purchased by American Land Conservancy with a CALFED grant awarded to the Stone Lakes National Wildlife Refuge.

Sun River property has an important Central Valley location; it is within the heart of CALFED's North Delta Ecological Management Unit, an area of current interest to CALFED. It is also within the approved project area of Stone Lakes National Wildlife Refuge. Restoration of the property will improve biodiversity in the area and connectivity of habitats within the NSLWR because it is adjacent to the 305-acre Lodi Gun Club, which is owned by the U.S. Fish and Wildlife Service (Service). When combined with other land managed by the Service, this additional land would help improve connectivity of wildlife habitats within the greater Stone Lakes/Cosumnes River Basin.

This property includes habitats that already support a wide array of native and special status species. Its restoration will considerably expand the amount of aquatic, wetland, and riparian habitat; it would also provide habitat for many species at risk, including the giant garter snake, vernal pool fairy shrimp, vernal pool tadpole shrimp, Sacramento splittail, valley elderberry longhorn beetle, Aleutian Canada goose, Swainson's hawk, western yellow-billed cuckoo, little flycatcher, black rail, and other species that are candidates or proposed candidates for at-risk listing.

The proposed restoration of this property will provide flood control benefits to surrounding communities; the levees will be repaired and re-contoured. Project planners are working closely with the Sacramento flood control planners to insure that restoration can meet and complement County flood control objectives.

A wide variety of public use programs are combined into the proposed restoration of this property. Programs featuring environmental education, hunting, fishing, boating, wildlife viewing, and photography will be offered. The hunting program will focus specifically on providing youth and disabled access hunting opportunities. The Department of Fish and Game, Wildlife Conservation Board, and California Waterfowl Association have shown interest in partnering in this aspect of the project.

This property will be managed as part of the highly successful water hyacinth local working group that was spearheaded by the Service and other partners in the area several years ago. Due to this public/private cooperative partnership, water hyacinth has been drastically reduced in the area and is nearly under control.

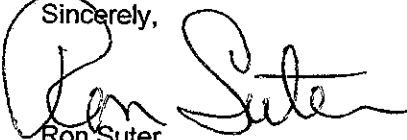
CALFED Bay-Delta Program  
Page 2  
May 3, 2000

SNLWR envisions building upon partnerships and helping meet or complement many other programs and policy objectives through this project.. Such partnerships or programs are as follows: CALFED's Ecosystem Restoration Plan, the Packard Foundation's "Conserving California's Landscapes" program, Anadromus Fisheries Recovery Plan, Service's Central Valley San Francisco Bay Ecoregion Plan, Central Valley Habitat Joint Venture Implementation Plan, USFWS Concept Plan for Waterfowl WinteringHabitat Preservation, North American Waterfowl Management Plan, several other endangered species recovery plans, Sacramento General Plan and South County HCP.

Approval of the grant application for the restoration of Sun River property would clearly be of great significance to Sacramento's quality of life.

Thank you for your favorable consideration of this grant application.

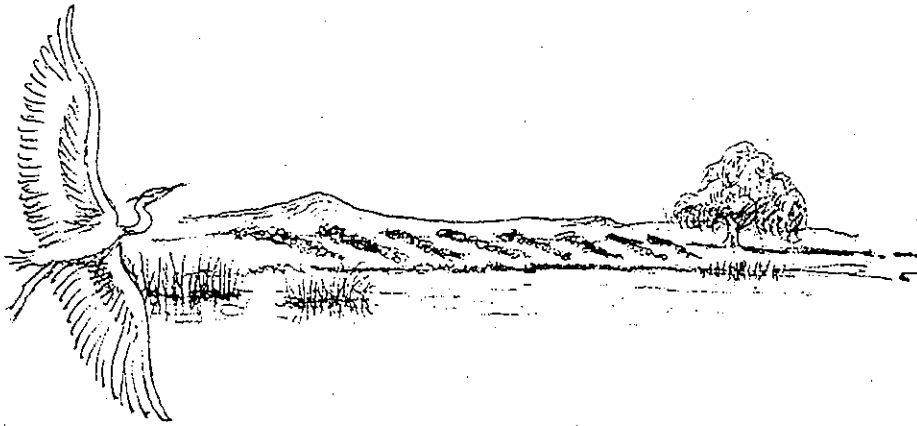
Sincerely,



Ron Suter  
Director

Cc: John O'Farrell

Jc (slnwrgrantreq)



Stone Lakes National Wildlife Refuge  
U.S. Fish and Wildlife Service  
2233 Watt Avenue, Suite 230  
Sacramento, CA 95825-0509

May 3, 2000

Dear Ms. Clark,

It has been brought to our attention that Stone Lakes National Wildlife Refuge is proposing a cooperative project in conjunction with Wildlands, Inc., American Land Conservancy, and U.S. Fish and Wildlife Service for restoration of the 537 acre Sun River Property. We have identified various benefits to this program such as improving biodiversity, expanding the amount of aquatic, wetland, and riparian habitat, as well as providing flood control benefits to surrounding communities through repairing or recontouring levees. The North Delta Conservancy Board of Directors believes that a project such as this would be valuable to the Stone Lakes National Wildlife Refuge. In addition, we feel that the following requirements must be included in the plan to maintain harmony throughout this region: (1) All public programs (hunting, fishing, boating, wildlife viewing, and photography) are to be given the same access, rights and privileges in compliance with local, state and federal law, this is to include adults, children, seniors and handicapped individuals. (2) Access to the property must be used exclusively through lands owned by Stone Lake Wildlife Refuge and not neighboring properties. (3) Work cooperatively with neighbors to administrate a management plan that is compatible with bordering landowners.

If all requirements are satisfied, the North Delta Conservancy will support the restoration project at the Sun River Property. We are entrusting the success of your project to be a benefit to the environment as well as an interest to the public.

Sincerely,

Cynthia J. Miller  
North Delta Conservancy -Administrative Manager

Statements in this letter must be reflected in its entirety and any media attention is to be referred and directed to our office.

***North Delta Conservancy***

P.O. Box 534 • Courtland, CA 95615 • (916) 775-1264



5/3/2000

MAY 5 2000

BOARD OF DIRECTORS

Chris Tooker  
*President*  
Peter Morse  
*Secretary*  
Jay Ferris  
*Treasurer*

CALFED Bay-Delta Program Office  
1416 Ninth Street, Suite 1555  
Sacramento, CA 95814

Dana Allen  
Christy Anderson  
Jim Brown  
Barry Cowan  
Patrice Cox  
Tom Hall  
Roy Imai  
Kent Johnson  
Bruce Kennedy  
Dan Meier  
Tony Miheonovich  
Eric Nickell

To whom it may concern:


Sacramento Open Space (SOS) is a local, non-profit organization of volunteers that advocates for the preservation and wise use of open space and agricultural lands in Sacramento County. Part of our mission is to support and encourage the programs of organizations and agencies, such as the U. S. Fish and Wildlife Service that share our goals of open space resource protection and enhancement. We have long-supported the establishment and continuing development of the Stone Lakes Wildlife Refuge as one of the leading open space preservation initiatives in Sacramento County.

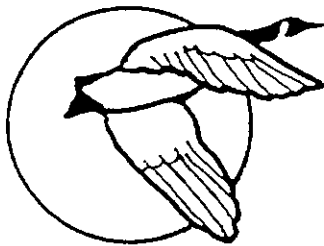
This letter is provided in support of the joint application of Wildlands, Inc., the American Land Conservancy, and the U. S. Fish and Wildlife Service for restoration funds to restore the 537-acre "Sun River" property, which is located within the Stone Lakes Wildlife Refuge and was originally acquired with a CALFED grant.

The restoration of the property will involve developing aquatic, wetland, and riparian habitats. It will benefit many resident and special status species, and will complement County flood control plans. The project will help to improve the species diversity in the area and the linkages between important habitat areas within the Refuge and within the greater Stone Lakes/Cosumnes River Basin. Because of the location of the "Sun River" property in the heart of CALFED's North Delta Ecological Management Unit, its restoration will also help to accomplish the Unit's program goals.

As part of the Stone Lakes Wildlife Refuge, the restoration of the property will provide additional educational, aesthetic and recreational opportunities for the citizens of the Sacramento region and so help to enhance the long-term quality of life in the area.

Sincerely,

  
Chris Tooker, President  
Sacramento Open Space



# STONE LAKES REFUGE ALLIANCE

1600 DAY DRIVE • CARMICHAEL, CA 95608 • (916) 486-9624

'APR 28 2000

April 27, 2000

CALFED Bay-Delta Program Office  
1416 Ninth Street, Suite 1555  
Sacramento, CA 95814

To Whom it May Concern:

Re: Sun River Property Restoration Project

The Stone Lakes Refuge Alliance is an organization which supported the initial creation of the Stone Lakes National Wildlife Refuge, and which now works to support its appropriate expansion, development and proper management.

The Alliance therefore strongly supports the funding of restoration work needed for the 537-acre Sun River property, a parcel which is intended to ultimately come under the ownership and the management, in perpetuity, of the Stone Lakes NWR.

When restored, the Sun River property will be an important part not only of the federal refuge but also of the growing block of public open space and habitat lands being established by The Nature Conservancy in the Cosumnes River area of south Sacramento County. This property will add to the critical mass of such lands and to their connectivity, to the benefit of migratory and especially of resident wildlife species. Many of these species are rare or endangered and require habitat expansion and protection.

This property, once restored and under good management, will help the larger Sacramento community in the matter of improved flood control. Further, it will provide a basis for enhanced recreational and educational opportunities for the region's million-plus residents.

Sincerely

Bruce Kennedy  
President



United States Department of the Interior

FISH AND WILDLIFE SERVICE

Sacramento Fish and Wildlife Office  
3310 El Camino Avenue, Suite 130  
Sacramento, California 95821-6340

IN REPLY REFER TO:

1-1-99-TA-1758

July 23, 1999

Mr. Greg Sutter  
Wildlands, Inc.  
5910 Auburn Blvd, Suite 17  
Citrus Heights, California 95621

Subject: Wildlands, Inc. Proposed Restoration Project on the Sun River Property  
South of Stones Lakes National Wildlife Refuge

Dear Mr. Sutter:

The U.S. Fish and Wildlife Service (Service) has reviewed your proposal for restoration of the Sun River property located south of Stone Lakes National Wildlife Refuge and just north of Lambert Road. Currently, the property is used for irrigated pasture and is partially laser-leveled and diked. Use of historic aerial photographs and USGS maps to plan restoration of seasonal and perennial marsh and seasonal wetlands will contribute to the value and success of this restoration project. We believe this project will benefit fish and wildlife resources and will also benefit the federally listed giant garter snake (*Thamnophis gigas*). In particular, this restoration project may contribute significantly to the recovery of the giant garter snake. The Draft Recovery Plan for the Giant Garter Snake recommends acquiring land and restoring wetlands from Stone Lakes south to the Cosumnes River Preserve. Completion of this recovery task will provide a connection between Stone Lakes National Wildlife Refuge and the Badger Creek/Willow Creek population of giant garter snakes that occurs on the Valensin Ranch portion of the Cosumnes River Preserve. This recovery task is ranked as a Priority 1 task, meaning that the action must be taken to prevent extinction or to prevent a species from declining irreversibly in the foreseeable future. The Service believes your proposed restoration will contribute to the completion of this important recovery task. We look forward to reviewing and providing technical assistance on the final restoration plan.

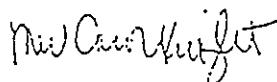


Mr. Greg Sutter

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Please contact Kelly Hornaday or Jan Knight of my staff at (916) 979-2120 if you have any questions regarding this letter. Please note that effective August 5, 1999, our office will be moving and can be contacted at (916) 414-6600 or 414-6601.

Sincerely,



for

Karen J. Miller

Chief, Endangered Species Division

cc: CALFED Bay-Delta Program (Attn: Dick Daniel)  
USFWS, Stone Lakes NWR (Attn: Tom Harvey)

